

PAYMENT DATA SYSTEMS INC

Form 424B5

December 22, 2017

PROSPECTUS SUPPLEMENT

(to Prospectus dated December 7, 2017)

Filed Pursuant to Rule 424(b)(5)

Registration No. 333-221178

1,176,000 Shares of Common Stock

PAYMENT DATA SYSTEMS, INC.

We are offering 1,176,000 shares of our common stock directly to the investors in this offering pursuant to this prospectus supplement and the accompanying prospectus and a share purchase agreement with such investors at a price of \$2.55 per share.

We have entered into a Placement Agency Agreement with Maxim Group LLC pursuant to which Maxim Group will serve as our placement agent. The placement agent is not purchasing or selling any securities offered by this prospectus supplement and the accompanying prospectus. See "Plan of Distribution" beginning on page S-6 of this prospectus supplement for more information regarding these arrangements.

Our common stock is traded on the Nasdaq Capital Market under the symbol "PYDS." On December 20, 2017, the last reported sale price for our common stock was \$3.43 per share. The aggregate market value of our outstanding voting and non-voting common equity held by non-affiliates on December 20, 2017 was \$17,613,060 based on a share price of \$3.43 (the last reported sale price of our common stock on the Nasdaq Capital Market on December 20, 2017) and 5,135,003 voting and non-voting non-affiliate shares of common stock outstanding. Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell securities in a public primary offering with a value exceeding more than one-third of our public float in any 12-month period so long as our public float remains below \$75 million. We did not sell any securities pursuant to General Instruction I.B.6. of Form S-3 during the 12 calendar months prior to and including the date hereof.

	Per Share Total	
Offering Price	\$2.55	\$2,998,800.00
Placement Agent Commissions (1)	\$0.153	\$179,928.00
Proceeds, before expenses, to us	\$2.397	\$2,818,872.00

(1) In addition, we agreed to reimburse the placement agent for certain expenses as described under "Plan of Distribution" on page S-6 of this prospectus supplement.

We will deliver the shares of common stock on or about December 26, 2017.

Investing in our securities involves a high degree of risk. See the section entitled "Risk Factors" beginning on page S-2 of the accompanying prospectus supplement, as well as in our periodic reports filed with the Securities

and Exchange Commission and incorporated by reference herein, for a discussion of important risks that you should consider before making an investment decision.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

MAXIM GROUP LLC

The date of this prospectus supplement is December 22, 2017.

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You should rely only on the information incorporated by reference or provided in this prospectus supplement, the accompanying prospectus and the registration statement. We have not authorized anyone else to provide you with

different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer to sell these securities in any state where the offer or sale is not permitted. You should assume that the information in this prospectus supplement, the accompanying prospectus, including any information incorporated therein by reference, is accurate only as of the dates of those documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

We are offering to sell, and are seeking offers to buy, the securities only in jurisdictions where such offers and sales are permitted. The distribution of this prospectus supplement and the accompanying prospectus and the offering of the securities in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement and the accompanying prospectus must inform themselves about and observe any restrictions relating to the offering of the securities and the distribution of this prospectus supplement and the accompanying prospectus outside the United States. This prospectus supplement and the accompanying prospectus do not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus supplement and the accompanying prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus are part of a “shelf” registration statement on Form S-3 that we filed with the Securities and Exchange Commission on October 27, 2017, and declared effective on December 6, 2017.

This document is in two parts. The first part is this prospectus supplement, which describes the terms of this offering and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference into this prospectus supplement and the accompanying prospectus. The second part is the accompanying prospectus, which gives more general information about the shares of our common stock and other securities we may offer from time to time under our shelf registration statement, some of which does not apply to the securities offered by this prospectus supplement. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus or any document incorporated by reference therein, on the other hand, you should rely on the information in this prospectus supplement.

You should read this prospectus supplement, the accompanying prospectus, the documents incorporated by reference in this prospectus supplement and the accompanying prospectus before making an investment decision. You should also read and consider the information in the documents referred to in the sections of this prospectus supplement entitled “Where You Can Find More Information” and “Incorporation of Certain Documents by Reference.”

In this prospectus supplement and the accompanying prospectus, unless otherwise indicated, the terms “Payment Data,” “we,” “us,” “our,” and similar terms refer to Payment Data Systems, Inc. and its subsidiaries on a consolidated basis.

THE OFFERING

Common stock offered
by this prospectus supplement 1,176,000 shares
Common stock to be
outstanding immediately after this
offering 15,533,034 shares

Use of proceeds The net proceeds from this offering after deducting estimated placement agent commissions and offering expenses payable by us will be approximately \$2.75 million at an offering price of \$2.55 per share. We intend to use the net proceeds from this offering for working capital and general corporate purposes. See “Use of Proceeds” for a more detailed description of the intended use of proceeds from this offering.

Risk factors This investment involves a high degree of risk. See “Risk Factors” below for factors to consider before deciding to purchase our securities.

Trading symbol PYDS

RISK FACTORS

Investing in our securities involves a high degree of risk. Before investing in our securities, you should carefully consider the risks described below, together with all of the other information contained in this prospectus supplement and the accompanying prospectus and incorporated by reference herein and therein, including from our most recent annual report on Form 10-K, quarterly reports on Form 10-Q and subsequent filings. Some of these factors relate principally to our business and the industry in which we operate. Other factors relate principally to your investment in our securities. The risks and uncertainties described therein and below are not the only risks we face, but those that we consider to be material. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also materially and adversely affect our business and operations. If any of the matters included in the following risks were to occur, our business, financial condition, results of operations, cash flows or prospects could be materially and adversely affected. In such case, you may lose all or part of your investment. Please also read carefully the section below entitled “Cautionary Note Regarding Forward-Looking Statements.”

Additional Risks Related to Our Company

We may need additional financing in the future. We may be unable to obtain additional financing or if we obtain financing it may not be on terms favorable to us. You may lose your entire investment.

Based on our current plans, we believe our existing cash and cash equivalents, along with cash generated from this offering, will be sufficient to fund our operating expense and capital requirements for at least 12 months from the date of this prospectus supplement, although there is no assurance of this and we may need funds in the future. If our capital resources are insufficient to meet future capital requirements, we will have to raise additional funds. If we are unable to obtain additional funds on terms favorable to us, we may be required to cease or reduce our operating activities. If we must cease or reduce our operating activities, you may lose your entire investment.

Our share price may be volatile.

The market price of our common stock has fluctuated in the past. Consequently, the current market price of our common stock may not be indicative of future market prices, and we may be unable to sustain or increase the value of an investment in our common stock.

We may be liable for employment taxes for vesting equity awards granted to employees in the past.

In the past we granted equity awards, including restricted stock awards, to certain of our employees, including to our executive officers and directors. Upon vesting of these awards we are liable for employment withholding taxes payable in cash which may impact our business and results of operations. We may have to direct some funds raised in the offering to pay for our tax liability on these vesting stock awards.

If we are unable to obtain and maintain intellectual property protection, our competitive position will be harmed.

The intellectual property protection on which we rely to protect our software and services may not provide protection against third party competitors who independently develop competitive products and services without improper access to or use of the Company's software and intellectual property. If we are not able to obtain and maintain protection of our intellectual property our competitive position may be harmed.

We have not had time to analyze how the new federal tax legislation will impact our Company.

On December 20, 2017, Congress passed significant new tax legislation affecting many areas that could impact our Company including corporate taxation, healthcare and employee compensation. We have not yet had time to analyze how our Company may be impacted by this new legislation. It is possible that our costs may increase which could have a material adverse impact on our business and results of operations, cash available and future plans. However, until we have had time to model and review the new legislation, we cannot predict how we will be impacted.

Additional Risks Related to This Offering

We will have broad discretion in how we use the proceeds, and we may use the proceeds in ways in which you and other stockholders may disagree.

We intend to use the net proceeds from this offering for working capital and general corporate purposes. Our management will have broad discretion in the application of the net proceeds from this offering and could spend the proceeds in ways that do not improve our results of operations or enhance the value of our common stock. The failure by management to apply these funds effectively could result in financial losses that could have a material adverse effect on our business or cause the price of our common stock to decline.

Purchasers in this offering may suffer immediate and substantial dilution in the net tangible book value per share of our common stock.

Because the price per share of common stock in this offering may be substantially higher than the net tangible book value per share of common stock, investors in this offering may suffer immediate and substantial dilution in the net tangible book value per share of common stock. After giving effect to the sale by us of 1,176,000 shares of common stock offered in this offering at a public offering price of \$2.55 per share, and after deducting placement agent commissions and estimated offering expenses payable by us, purchasers in this offering can expect an immediate dilution of \$1.32 per share, representing the difference between our as adjusted net tangible book value per share as of September 30, 2017, after giving effect to this offering and the offering price. See the section entitled "Dilution" below for a more detailed illustration of the dilution you would incur if you participate in this offering.

You may experience future dilution as a result of future equity offerings.

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In order to raise additional capital, we may in the future offer additional shares of our common stock or other securities convertible into or exchangeable for our common stock at prices that may not be the same as the price per share in this offering. We may sell shares or other securities in any other offering at a price per share that is less than the price per share paid by investors in this offering, and investors purchasing shares or other securities in the future could have rights superior to existing stockholders. The price per share at which we sell additional shares of our common stock, or securities convertible or exchangeable into common stock, in future transactions may be higher or lower than the price per share paid by investors in this offering.

OUR COMPANY

We provide integrated electronic payment processing services to merchants and businesses, including all types of Automated Clearing House, or ACH, processing, credit, prepaid card and debit card-based processing services. Through our wholly-owned subsidiary, FiCentive, Inc., we offer prepaid card processing and program management services for various other card programs including incentive cards for clinical trial recipients, consumer gift cards, rebate cards, and various other card programs that can be branded or white labeled. The Akimbo Mastercard, via the domain name www.akimbo.com, offers prepaid cards to consumers for use as a tool to stay on budget, manage allowances and share money with family and friends. The Akimbo Mastercard program became live on our processing platform in early April 2015. We have further developed our Akimbo platform to include Akimbo Now for businesses, Akimbo Gift for consumers and support for Apple Pay™, Android Pay and Samsung Pay. We introduced a new PIN-less debit product that allows merchants to debit and credit accounts in real-time in October 2016.

On September 1, 2017, we closed the acquisition of Singular Payments, LLC. Singular Payments is a Fintech payments provider that relies upon innovative technology to process payments for merchants in healthcare and other niche markets nationwide. Singular is primarily focused on custom software integrations of their flat rate payment processing offerings and their proprietary, simple to use electronic bill payment presentment and payment platform which allows merchants to streamline the costly and labor intensive process of invoicing and collections.

We were founded in July 1998 and incorporated in the State of Nevada. Our principal executive offices are located at 12500 San Pedro, Ste. 120, San Antonio, Texas 78216. Our telephone number is (210) 249-4100. Our websites are www.paymentdata.com, www.singularpayments.com, www.ficentive.com, www.akimbo.com and www.zbill.com. Information contained in our websites does not constitute part of this prospectus which forms part of this registration statement.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

When used in this prospectus supplement, the accompanying prospectus and the documents incorporated herein or therein, the words “expect,” “believe,” “anticipate,” “estimate,” “may,” “could,” “intend,” and similar expressions are intended to identify forward-looking statements. These statements are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those projected or otherwise implied by the forward-looking statements. These forward-looking statements speak only as of the date of this prospectus supplement, the accompanying prospectus and the documents incorporated herein or therein. Given these risks and uncertainties, you should not place undue reliance on these forward-looking statements. We have discussed many of these risks and uncertainties in greater detail in this prospectus under the heading “Risk Factors.” Additional cautionary statements or discussions of risks and uncertainties that could affect our results or the achievement of the expectations described in forward-looking statements may also be contained in the documents we incorporate by reference into this prospectus supplement, the accompanying prospectus and the documents incorporated herein or therein.

These forward-looking statements speak only as of the date of this prospectus supplement, the accompanying prospectus and the documents incorporated herein or therein. We expressly disclaim any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in

our expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based. You should, however, review additional disclosures we make in our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K filed with the SEC.

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USE OF PROCEEDS

We estimate that we will receive up to \$2.75 million in net proceeds from the sale of shares of common stock in this offering, based on an assumed public offering price of \$2.55 per share after deducting placement agent commissions and estimated offering expenses payable by us. We intend to use the net proceeds received from this offering for general working capital and corporate purposes.

DILUTION

If you purchase shares of our common stock in this offering, your interest will be diluted immediately to the extent of the difference between the public offering price per share of common stock and the adjusted net tangible book value per share of our common stock after this offering.

The net tangible book value of our common stock as of September 30, 2017 was approximately \$11,362,326, or approximately \$1.10 per share. Net tangible book value per share represents the amount of our total tangible assets, excluding goodwill and intangible assets, less total liabilities, divided by the total number of shares of our common stock outstanding.

Dilution per share to new investors represents the difference between the amount per share paid by purchasers for each share of common stock in this offering and the net tangible book value per share of our common stock immediately following the completion of this offering.

After giving effect to the sale of shares of common stock offered by this prospectus supplement at an offering price of \$2.55 per share in connection with this offering and after deducting the estimated underwriting discounts and offering expenses, our pro forma net tangible book value as of September 30, 2017 would have been approximately \$14,131,198 or approximately \$1.23 per share. This represents an immediate increase in net tangible book value of approximately \$0.13 per share to our existing stockholders and an immediate dilution in pro forma net tangible book value of approximately \$1.32 per share to purchasers of shares of common stock in this offering, as illustrated by the following table:

Offering price per share	\$2.55
Net tangible book value per share as of September 30, 2017	\$1.10
Increase per share attributable to the offering	\$0.13
As adjusted net tangible book value per share after this offering	\$1.23
Dilution per share to new investors	\$1.32

The discussion of dilution, and the table quantifying it, assumes no exercise of any outstanding options or warrants or the issuance of other potentially dilutive securities. The exercise of potentially dilutive securities having an exercise price less than the offering price would increase the dilutive effect to new investors.

The number of shares of common stock shown above to be outstanding after this offering is based on 10,284,075 shares outstanding as of September 30, 2017, and excludes the following:

- 670,741 shares of treasury stock;
- 3,331,270 shares of our common stock subject to vesting; and
- 136,778 shares of common stock issuable pursuant to restricted stock units, subject to vesting.

DESCRIPTION OF SECURITIES

We have 200,000,000 shares of authorized common stock, par value \$0.001 per share. As of December 20, 2017, there were 15,032,968 shares of common stock issued and 14,357,034 shares outstanding, subject to 675,934 treasury shares.

Our common stock is traded on the Nasdaq Capital Market under the symbol "PYDS."

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC, 6201 15th Avenue, Brooklyn, NY 11219, telephone (718) 921-8200.

PLAN OF DISTRIBUTION

Pursuant to a placement agent agreement dated as of December 21, 2017, between us and Maxim Group LLC, we have engaged Maxim Group LLC as our sole placement agent to solicit offers to purchase the common stock offered under this prospectus supplement.

Maxim Group LLC has agreed to use its reasonable best efforts to arrange for the sale of all of the common stock in this offering. The placement agent is not purchasing or selling any shares of common stock offered by this prospectus supplement and the accompanying prospectus, but has arranged for the sale of certain of the shares offered hereby through a direct share purchase agreement entered into among the purchasers and us. The offering price of the shares offered by this prospectus supplement and the accompanying prospectus per share has been determined based upon arm's length negotiations between the purchasers and us. There is no requirement that any minimum number of shares or dollar amount of shares be sold in this offering and there can be no assurance that we will sell all or any of the shares being offered.

The placement agency agreement provides that the obligations of Maxim Group LLC and the investors are subject to certain conditions precedent, including, among other things, the absence of any material adverse change in our business and the receipt of certain opinions, letters and certificates from us or our counsel. In addition, our obligation to issue and sell shares of common stock to the purchasers is subject to the conditions set forth in the share purchase agreement, which may be waived by us at our discretion. A purchaser's obligation to purchase shares is subject to the conditions set forth in the share purchase agreement as well, which may also be waived. We currently anticipate that the delivery of the shares purchased in this offering will occur on or about December 26, 2017. At the closing, The Depository Trust Company will credit the shares to the respective accounts of the purchasers or the transfer agent will issue the shares to the purchasers in book-entry form, as elected by the purchasers in the share purchase agreement.

We have agreed to pay Maxim Group LLC a fee equal to 6%, or approximately \$179,928, of the aggregate gross proceeds. We have also agreed to reimburse Maxim Group LLC for expenses incurred by it in connection with this offering, up to \$50,000. Additionally, for a period of six months from the commencement of sales of this offering, Maxim Group LLC will have an irrevocable right of first refusal to act as co-placement agent or co-manager, with at least 25% of the economics, for any and all future public and private equity, equity-linked, debt offerings or other capital raising activity of our Company.

We estimate the total expenses of this offering which will be payable by us, excluding the placement agent fees, will be approximately \$250,000. After deducting the fees due to the placement agent and our estimated offering expenses, we expect the net proceeds from this offering to be approximately \$2.75 million.

We have agreed to indemnify Maxim Group LLC and certain other persons against certain liabilities relating to or arising out of Maxim Group LLC's activities under the placement agent agreement. We have also agreed to contribute to payments Maxim Group LLC may be required to make in respect of such liabilities. Under the share purchase agreement, we have agreed not to enter into any agreement to issue or announce the issuance or proposed issuance of

any common stock or common stock equivalents for a period of 50 days following the closing of the offering.

The foregoing does not purport to be a complete statement of the terms and conditions of the placement agency agreement and the share purchase agreement. Copies of the placement agency agreement and the form of share purchase agreement

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with the purchasers are included as exhibits to our Current Report on Form 8-K that will be filed with the SEC and incorporated by reference into the registration statement of which this prospectus supplement and the accompanying prospectus form a part. See “Incorporation of Documents by Reference” and “Where You Can Find More Information.”

The placement agent may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act of 1933, as amended, or the Securities Act, and any commissions received by them and any profit realized on the resale of the shares sold by them while acting as a principal might be deemed to be underwriting discounts or commissions under the Securities Act. As an underwriter, the placement agent would be required to comply with the requirements of the Securities Act and the Securities Exchange Act of 1934, as amended, or the Exchange Act, including, without limitation, Rule 415(a)(4) under the Securities Act and Rule 10b-5 and Regulation M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of shares by the placement agent acting as principals. Under these rules and regulations, the placement agent:

• must not engage in any stabilization activity in connection with our securities; and

• must not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until they have completed their participation in the distribution.

LEGAL MATTERS

The validity of any securities offered by this prospectus supplement will be passed upon for us by Trombly Business Law, PC. Certain legal matters in connection with this offering will be passed upon for the placement agent by Ellenoff Grossman & Schole LLP.

EXPERTS

The consolidated financial statements of Payment Data Systems, Inc. appearing in Payment Data Systems, Inc.’s annual report on Form 10-K for the year ended December 31, 2016, filed April 6, 2017 have been audited by Akin, Doherty, Klein & Feuge, PC, an independent registered public accounting firm, as set forth in their report included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy the registration statement and any document we file with the SEC at the SEC’s Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC also maintains a website that contains reports, proxy and information statements and other information regarding companies, such as ours, that file documents electronically with the SEC. The address of the SEC’s website is www.sec.gov. The information on the SEC’s website is not part of this prospectus, and any references to this website or any other website are inactive textual references only.

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC to register the securities to be offered hereby. This prospectus does not contain all of the information included in the registration statement, including certain exhibits and schedules. You may obtain the registration statement and exhibits to the registration statement from the SEC at the address listed above or from the SEC’s website listed above. In addition to the foregoing, we maintain a website at www.paymentdata.com. Our website content is made available for informational purposes only. It should neither be relied upon for investment purposes nor is it incorporated by reference into this prospectus. We make available at www.paymentdata.com/node/104 copies of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K and any amendments to such document as soon as

practicable after we electronically file such material with or furnish such documents to the SEC.

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INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC permits us to “incorporate by reference” the information contained in documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents rather than by including them in this prospectus. Information that is incorporated by reference is considered to be part of this prospectus and you should read it with the same care that you read this prospectus. Later information that we file with the SEC will automatically update and supersede the information that is either contained, or incorporated by reference, in this prospectus, and will be considered to be a part of this prospectus from the date those documents are filed. We have filed with the SEC, and incorporate by reference the following in this prospectus:

• our Annual Report on Form 10-K for the year ended December 31, 2016, filed on April 6, 2017;
• our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2017, filed on May 15, 2017, and for the fiscal quarter ended June 30, 2017, filed on August 14, 2017, and for the fiscal quarter ended September 30, 2017, filed on November 14, 2017;
• our Current Reports on Form 8-K filed on January 6, 2017; January 13, 2017; March 13, 2017; March 23, 2017; March 31, 2017; May 11, 2017; June 8, 2017; August 7, 2017; September 8, 2017; and November 28, 2017; and the amendment to the Current Report on Form 8-K/A filed on November 17, 2017; and
• our Definitive Proxy Statement on Schedule 14A, as filed with the SEC on April 27, 2017.

In addition, all documents that we file with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities and Exchange Act of 1934, as amended, after the date of the initial registration statement of which this prospectus is a part and prior to the effectiveness of the registration statement as well as all such documents that we file with the SEC after the date of this prospectus and before the termination of the offering of our securities shall be deemed incorporated by reference into this prospectus and to be a part of this prospectus from the respective dates of filing such documents. Unless specifically stated to the contrary, none of the information that we disclose under Items 2.02 or 7.01 of any Current Report on Form 8-K that we may from time to time furnish to the SEC will be incorporated by reference into, or otherwise included in, this prospectus.

You may request a copy of any or all of the documents incorporated by reference but not delivered with this prospectus, at no cost, by writing or telephoning us at the following address and number: Payment Data Systems, Inc., 12500 San Pedro, Suite 120, San Antonio, Texas, 78216, telephone (210) 249-4100. We will not, however, send exhibits to those documents, unless the exhibits are specifically incorporated by reference in those documents.

DISCLOSURE OF COMMISSION POSITION ON INDEMNIFICATION

Insofar as indemnification for liabilities arising under the Securities Act, as amended, may be permitted to directors, officers, and controlling persons of the registrant pursuant to the Company’s constituent documents, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer, or controlling person in the successful defense of any action, suit, or proceeding) is asserted by such director, officer, or controlling person connected with the securities being registered, we will, unless in the opinion of our counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

Filed Pursuant to Rule 424(b)(3)

Registration No. 333-221178

PROSPECTUS

\$50,000,000

PAYMENT DATA SYSTEMS, INC.

Common Stock

Preferred Stock

Warrants

Units

We may, from time to time, offer and sell common stock, preferred stock or warrants, either separately or in units, in one or more offerings. The preferred stock and warrants may be convertible into or exercisable or exchangeable for common or preferred stock. We will specify in the accompanying prospectus supplement more specific information about any such offering. The aggregate initial offering price of all securities sold under this prospectus will not exceed \$50,000,000, including the U.S. dollar equivalent if the public offering of any such securities is denominated in one or more foreign currencies, foreign currency units or composite currencies.

We may offer these securities independently or together in any combination for sale directly to investors or through underwriters, dealers or agents. We will set forth the names of any underwriters, dealers or agents and their compensation in the accompanying prospectus supplement.

This prospectus may not be used to sell any of these securities unless accompanied by a prospectus supplement.

Our common stock is traded on the Nasdaq Capital Market under the symbol "PYDS." On December 5, 2017, the last reported sale price for our common stock was \$2.06 per share. The aggregate market value of our outstanding voting and non-voting common equity held by non-affiliates on December 5, 2017 was \$13,759,729 based on a share price of \$2.06 and 6,679,480 non-affiliate shares of common stock outstanding. We have not offered any securities pursuant to General Instruction I.B.6. of Form S-3 during the 12 calendar months prior to and including the date hereof.

Investing in our securities involves a high degree of risk. See the section entitled "Risk Factors" on page 6.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is December 7, 2017.

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You should rely only on the information incorporated by reference or provided in this prospectus, any prospectus supplement and the registration statement. We have not authorized anyone else to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer to sell these securities in any state where the offer or sale is not permitted. You should assume that the information in this prospectus and any prospectus supplement, or incorporated by reference, is accurate only as of the dates of those documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, or SEC, using a “shelf” registration, or continuous offering, process. Under this shelf registration process, we may, from time to time, issue and sell any combination of preferred stock, common stock or warrants, either separately or in units, in one or more offerings with a maximum aggregate offering price of \$50,000,000, including the U.S. dollar equivalent if the public offering of any such securities is denominated in one or more foreign currencies, foreign currency units or composite currencies.

This prospectus provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering and the offered securities. Any prospectus supplement may also add, update or change information contained in this prospectus. Any statement that we make in this prospectus will be modified or superseded by any inconsistent statement made by us in a prospectus supplement. The registration statement we filed with the SEC includes exhibits that provide more detail of the matters discussed in this prospectus. You should read this prospectus and the related exhibits filed with the SEC and any prospectus supplement, together with additional information described under the heading “Where You Can Find More Information,” before making your investment decision.

THIS PROSPECTUS MAY NOT BE USED TO CONSUMMATE A SALE OF SECURITIES UNLESS IT IS ACCOMPANIED BY A PROSPECTUS SUPPLEMENT.

Neither we, nor any agent, underwriter or dealer has authorized any person to give any information or to make any representation other than those contained or incorporated by reference in this prospectus, any applicable prospectus supplement prepared by or on behalf of us or to which we have referred you. This prospectus or any applicable supplement to this prospectus do not constitute an offer to sell or the solicitation of an offer to buy any securities other than the registered securities to which they relate, nor do this prospectus or any applicable supplement to this prospectus constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction to any person to whom it is unlawful to make such offer or solicitation in such jurisdiction.

You should not assume that the information contained in this prospectus or any applicable prospectus supplement is accurate on any date subsequent to the date set forth on the front of the document or that any information we have incorporated by reference is correct on any date subsequent to the date of the document incorporated by reference, even though this prospectus or any applicable prospectus supplement is delivered, or securities are sold, on a later date.

PROSPECTUS SUMMARY

This summary highlights information contained elsewhere in this prospectus or incorporated by reference. This summary does not contain all of the information you should consider before buying shares of our common stock, preferred stock, warrants, or units or any combination of these securities. You should read the entire prospectus carefully, especially the risks of investing in our securities that we describe under “Risk Factors” and our consolidated financial statements appearing in our annual and periodic reports incorporated in this prospectus by reference, before deciding to invest in our securities. Unless the context requires otherwise, references to “Payment Data,” “the Company,” “the Registrant,” “we,” “our” and “us” refer to Payment Data Systems, Inc.

Company Overview

We provide integrated electronic payment processing services to merchants and businesses, including Automated Clearing House, or ACH, processing, credit, prepaid card and debit card-based processing services. Through our wholly-owned subsidiary, FiCentive, Inc., we offer prepaid card processing and program management services for various other card programs including incentive cards for clinical trial recipients, consumer gift cards, rebate cards, and various other card programs that can be branded or white labeled. Through Akimbo, under the domain name www.akimbo.com, we offer Mastercard prepaid cards to consumers for use as a tool to stay on budget, manage allowances and share money with family and friends. We have further developed our Akimbo platform to include Akimbo Now for businesses, Akimbo Gift for consumers and support for Apple Pay™, Android Pay and Samsung Pay. We introduced a new PIN-less debit product that allows merchants to debit and credit accounts in real-time in October 2016. On September 1, 2017, we closed the acquisition of Singular Payments, LLC. Singular Payments is a Fintech payments provider that relies upon innovative technology to process payments for merchants in healthcare and other niche markets nationwide. Singular is primarily focused on custom software integrations of their flat rate payment processing offerings and their proprietary, simple to use electronic bill payment presentment and payment platform which allows merchants to streamline the costly and labor intensive process of invoicing and collections.

Corporate Information

We were founded in July 1998 and incorporated in the State of Nevada. Our principal executive offices are located at 12500 San Pedro, Ste. 120, San Antonio, Texas 78216. Our telephone number is (210) 249-4100. Our websites are www.paymentdata.com, www.singularpayments.com, www.ficentive.com, www.akimbo.com and www.zbill.com. Information contained in our websites does not constitute part of this prospectus which forms part of this registration statement.

The Securities We May Offer

We may offer and sell, from time to time, in one or more offerings, any combination of shares of our common stock and preferred stock, and warrants to purchase any of such securities, up to a total aggregate offering price of \$50,000,000 under this prospectus, together with any applicable prospectus supplement, at prices and on terms to be determined by market conditions at the time of the relevant offering. This prospectus provides you with a general description of the securities we may offer. Each time we offer a type or series of securities under this prospectus, we will provide a prospectus supplement that will describe the specific amounts, prices and other important terms of the securities, including, to the extent applicable:

• designation or classification;

- aggregate offering price;

rates and times of payment of dividends, if any;

redemption, conversion, exchange or sinking fund terms, if any;

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• conversion or exchange prices or rates, if any, and, if applicable, any provisions for changes to or adjustments in the conversion or exchange prices or rates and in the securities or other property receivable upon conversion or exchange;

• ranking, if applicable;

• restrictive covenants, if any;

• voting or other rights, if any; and

• important United States federal income tax considerations.

The prospectus supplement may also add, update or change information contained in this prospectus or in documents we have incorporated by reference. However, no prospectus supplement will offer a security that is not registered and described in this prospectus at the time of the effectiveness of the registration statement of which this prospectus is a part.

This prospectus may not be used to consummate a sale of securities unless it is accompanied by a prospectus supplement.

We may sell the securities directly to investors or through underwriters, dealers or agents. We, and our underwriters or agents, reserve the right to accept or reject all or part of any proposed purchase of securities. If we do offer securities through underwriters or agents, we will include in the applicable prospectus supplement:

- the names of those underwriters or agents;
- applicable fees, discounts and commissions to be paid to them;
- details regarding over-allotment options, if any; and
- the estimated net proceeds to us.

Risk Factors

Investing in our securities involves a high degree of risk. You should carefully review the risks and uncertainties described under the heading “Risk Factors” contained in the applicable prospectus supplement, and under similar headings in our Annual Report on Form 10-K for the year ended December 31, 2016, as updated by our annual, quarterly and other reports and documents that are incorporated by reference into this prospectus, before deciding whether to purchase any of the securities being registered pursuant to the registration statement of which this prospectus is a part. Each of the risk factors could adversely affect our business, operating results and financial condition, as well as adversely affect the value of an investment in our securities, and the occurrence of any of these risks might cause you to lose all or part of your investment. Additional risks not presently known to us or that we currently believe are immaterial may also significantly impair our business operations.

Where You Can Find More Information

We are subject to the information requirements of the Exchange Act. Accordingly, we file annual, quarterly and current reports, proxy statements as may be required and other information with the SEC and filed a registration statement on

Form S-3 under the Securities Act relating to the securities offered by this prospectus. This prospectus, which forms part of the registration statement, does not contain all of the information included in the registration statement. For further information, you should refer to the registration statement and its exhibits.

You may read and copy the registration statement and any document we file with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the Public Reference Room. You can also review our filings by accessing the website maintained by the SEC at www.sec.gov. The site contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC. In addition to the foregoing, we maintain a website at www.paymentdata.com. Our website content is made available for informational purposes only. It should neither be relied upon for investment purposes nor is it incorporated by reference into this prospectus. We make available at www.paymentdata.com/node/104 copies of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K and any amendments to such document as soon as practicable after we electronically file such material with or furnish such documents to the SEC.

OUR COMPANY

We provide integrated electronic payment processing services to merchants and businesses, including all types of Automated Clearing House, or ACH, processing, credit, prepaid card and debit card-based processing services. Through our wholly-owned subsidiary, FiCentive, Inc., we offer prepaid card processing and program management services for various other card programs including incentive cards for clinical trial recipients, consumer gift cards, rebate cards, and various other card programs that can be branded or white labeled. The Akimbo Mastercard, via the domain name www.akimbocard.com, offers prepaid cards to consumers for use as a tool to stay on budget, manage allowances and share money with family and friends. The Akimbo Mastercard program became live on our processing platform in early April 2015. We have further developed our Akimbo platform to include Akimbo Now for businesses, Akimbo Gift for consumers and support for Apple Pay™, Android Pay and Samsung Pay. We introduced a new PIN-less debit product that allows merchants to debit and credit accounts in real-time in October 2016.

On September 1, 2017, we closed the acquisition of Singular Payments, LLC. Singular Payments is a Fintech payments provider that relies upon innovative technology to process payments for merchants in healthcare and other niche markets nationwide. Singular is primarily focused on custom software integrations of their flat rate payment processing offerings and their proprietary, simple to use electronic bill payment presentment and payment platform which allows merchants to streamline the costly and labor intensive process of invoicing and collections.

We were founded in July 1998 and incorporated in the State of Nevada. Our principal executive offices are located at 12500 San Pedro, Ste. 120, San Antonio, Texas 78216. Our telephone number is (210) 249-4100. Our websites are www.paymentdata.com, www.singularpayments.com, www.ficentive.com, www.akimbocard.com and www.zbill.com. Information contained in our websites does not constitute part of this prospectus which forms part of this registration statement.

RISK FACTORS

Investing in our securities involves a high degree of risk. You should carefully review the risks and uncertainties described under the heading “Risk Factors” contained in the applicable prospectus supplement, and under similar headings in our Annual Report on Form 10-K for the year ended December 31, 2016, as updated by our quarterly and other reports and documents that are incorporated by reference into this prospectus, before deciding whether to purchase any of the securities being registered pursuant to the registration statement of which this prospectus is a part. Each of the risk factors could adversely affect our business, operating results and financial condition, as well as adversely affect the value of an investment in our securities, and the occurrence of any of these risks might cause you to lose all or part of your investment. Additional risks not presently known to us or that we currently believe are immaterial may also significantly impair our business operations.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

When used in this prospectus or any prospectus supplement, the words “expect,” “believe,” “anticipate,” “estimate,” “may,” “could,” “intend,” and similar expressions are intended to identify forward-looking statements. These statements are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those projected or otherwise implied by the forward-looking statements. These forward-looking statements speak only as of the date of this prospectus. Given these risks and uncertainties, you should not place undue reliance on these forward-looking statements. We have discussed many of these risks and uncertainties in greater detail in this prospectus under the heading “Risk Factors.” Additional cautionary statements or discussions of risks and uncertainties that could affect our results or the achievement of the expectations described in forward-looking statements may also be contained in the documents we incorporate by reference into this prospectus.

These forward-looking statements speak only as of the date of this prospectus. We expressly disclaim any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in our expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based. You should, however, review additional disclosures we make in our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K filed with the SEC.

DILUTION

We will set forth in a prospectus supplement the following information regarding any material dilution of the equity interests of investors purchasing securities in an offering under this prospectus:

- the net tangible book value per share of our equity securities before and after the offering;
- the amount of the increase in such net tangible book value per share attributable to the cash payments made by purchasers in the offering; and
- the amount of the immediate dilution from the public offering price which will be absorbed by such purchasers.

USE OF PROCEEDS

Unless we state otherwise in the accompanying prospectus supplement, we intend to use the net proceeds from the sale of the securities offered by this prospectus for general corporate purposes. General corporate purposes may include additions to working capital, research and development, financing of capital expenditures, and future acquisitions and

strategic investment opportunities. Pending the application of net proceeds, we expect to invest the net proceeds in interest-bearing securities.

PLAN OF DISTRIBUTION

We may sell the securities offered by this prospectus to one or more underwriters or dealers for public offering and sale by them or to investors directly or through agents. The accompanying prospectus supplement will set forth the terms of the offering and the method of distribution and will identify any firms acting as underwriters, dealers or agents in connection with the offering, including:

- the name or names of any underwriters, dealers or agents;
- the purchase price of the securities and the proceeds to us from the sale;
- any underwriting discounts and other items constituting compensation to underwriters, dealers or agents;
- any public offering price;
- any discounts or concessions allowed or re-allowed or paid to dealers; and
- any securities exchange or market on which the securities offered in the prospectus supplement may be listed.

Only those underwriters identified in such prospectus supplement are deemed to be underwriters in connection with the securities offered in the prospectus supplement.

The distribution of the securities may be effected from time to time in one or more transactions at a fixed price or prices, which may be changed, or at prices determined as the applicable prospectus supplement specifies. The securities may be sold through a rights offering, forward contracts or similar arrangements. In connection with the sale of the securities, underwriters, dealers or agents may be deemed to have received compensation from us in the form of underwriting discounts or commissions and also may receive commissions from securities purchasers for whom they may act as agent. Underwriters may sell the securities to or through dealers, and the dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters or commissions from the purchasers for whom they may act as agent. Some of the underwriters, dealers or agents who participate in the securities distribution may engage in other transactions with, and perform other services for, us or our subsidiaries in the ordinary course of business.

We will provide in the applicable prospectus supplement information regarding any underwriting discounts or other compensation that we pay to underwriters or agents in connection with the securities offering, and any discounts, concessions or commissions which underwriters allow to dealers. Underwriters, dealers and agents participating in the securities distribution may be deemed to be underwriters, and any discounts and commissions they receive and any profit they realize on the resale of the securities may be deemed to be underwriting discounts and commissions under the Securities Act of 1933. Underwriters and their controlling persons, dealers and agents may be entitled, under agreements entered into with us, to indemnification against and contribution toward specific civil liabilities, including liabilities under the Securities Act.

The securities may or may not be listed on a national securities exchange. In connection with an offering, the underwriters may purchase and sell securities in the open market. These transactions may include short sales, stabilizing transactions and purchases to cover positions created by short sales. Short sales involve the sale by the underwriters of a greater number of securities than they are required to purchase in an offering. Stabilizing transactions consist of bids or purchases made for the purpose of preventing or retarding a decline in the market price of the securities while an offering is in progress. The underwriters also may impose a penalty bid. This occurs when a particular underwriter repays to the underwriters a portion of the underwriting discount received by it because the underwriters have repurchased securities sold by or for the account of that underwriter in stabilizing or short-covering transactions. These activities by the underwriters may stabilize, maintain or otherwise affect the market price of the securities. As a result, the price of the securities may be higher than the price that otherwise might exist in the open market. If these activities are commenced, they may be discontinued by the underwriters at any time.

DESCRIPTION OF COMMON STOCK

This section describes the general terms and provisions of the shares of our common stock. This description is only a summary and is qualified in its entirety by reference to the description of our common stock incorporated by reference in this prospectus. A copy of our amended and restated articles of incorporation, as amended, and our amended and restated bylaws has been incorporated by reference from our filings with the SEC as exhibits to the registration statement of which this prospectus forms a part. Our common stock and the rights of the holders of our common stock are subject to the applicable provisions of the Nevada Private Corporation Code, which we refer to as “Nevada law,” our amended and restated articles of incorporation, our amended and restated bylaws, the rights of the holders of our preferred stock, if any, as well as some of the terms of our outstanding indebtedness. See “Where You Can Find More Information.”

We have 200,000,000 shares of authorized common stock, par value \$0.001 per share. As of November 10, 2017, there were 14,286,084 shares of common stock issued and 13,615,343 shares outstanding.

The following description of our common stock, and any description of our common stock in a prospectus supplement, may not be complete and is subject to, and qualified in its entirety by reference to, Nevada law and the actual terms and provisions contained in our amended and restated articles of incorporation and our bylaws, each as amended from time to time.

Voting Rights: Each outstanding share of our common stock is entitled to one vote per share of record on all matters submitted to a vote of stockholders and to vote together as a single class for the election of directors and in respect of other corporate matters. At a meeting of stockholders at which a quorum is present, for all matters other than the election of directors, an affirmative vote of the majority of shares entitled to vote on a matter and that are represented either in person or by proxy at a meeting of stockholders decides all questions, unless the matter is one upon which a different vote is required by express provision of law or our amended and restated articles incorporation or our bylaws. Directors will be elected by a plurality of the votes of the shares present at a meeting. Holders of shares of common stock do not have cumulative voting rights with respect to the election of directors or any other matter.

Dividends: Holders of our common stock are entitled to receive dividends or other distributions when, as and if declared by our board of directors. The right of our board of directors to declare dividends, however, is subject to any rights of the holders of other classes of our capital stock, any indebtedness outstanding from time to time and the availability of sufficient funds, as determined under Nevada law, to pay dividends.

Preemptive Rights: The holders of our common stock do not have preemptive rights to purchase or subscribe for any of our capital stock or other securities.

Redemption: Shares of our common stock are not subject to redemption by operation of a sinking fund or otherwise.

Liquidation Rights: In the event of any liquidation, dissolution, or winding up of our company, subject to the rights, if any, of the holders of other classes of our capital stock, the holders of shares of our common stock are entitled to

receive any of our assets available for distribution to our stockholders ratably in proportion to the number of shares held by them.

Listing: Our common stock is listed on the NASDAQ Capital Market under the symbol "PYDS."

Transfer Agent and Registrar: The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC, 6201 15th Avenue, Brooklyn, NY 11219, telephone (718) 921-8200.

DESCRIPTION OF PREFERRED STOCK

This section describes the general terms of our preferred stock to which any prospectus supplement may relate. A prospectus supplement will describe the terms relating to any preferred stock to be offered by us in greater detail and may provide information that is different from terms described in this prospectus. A copy of our amended and restated articles of incorporation, as amended, and our amended and restated bylaws has been incorporated by reference from our filings with the SEC as exhibits to the registration statement of which this prospectus forms a part. A certificate of designation or amendment to the amended and restated articles of incorporation, as amended, will specify the terms of the preferred stock being offered, and will be filed or incorporated by reference as an exhibit to the registration statement before the preferred stock is issued. The following description of our preferred stock, and any description of the preferred stock in a prospectus supplement may not be complete and is subject to, and qualified in its entirety by reference to, Nevada law and the actual terms and provisions contained in our amended and restated articles of incorporation, as amended, and our amended and restated bylaws, each as amended from time to time.

Under our amended and restated articles of incorporation, as amended, we have the authority to issue 10,000,000 shares of preferred stock, par value \$0.01 per share, which are issuable in series on terms to be determined by our board of directors. Accordingly, our board of directors is authorized, without action by the stockholders, to issue preferred stock from time to time with such dividend, liquidation, conversion, voting, redemption, sinking fund and other rights and restrictions as it may determine. All shares of any one series of our preferred stock will be identical, except that shares of any one series issued at different times may differ as to the dates from which dividends may be cumulative. All series will rank equally and will provide for other terms as described in the applicable prospectus supplement. As of the date of this prospectus, there were no outstanding shares of our preferred stock.

Terms of Preferred Stock: Unless provided in a prospectus supplement, the shares of our preferred stock to be issued will have no preemptive rights. Any prospectus supplement offering our preferred stock will furnish the following information with respect to the preferred stock offered by that prospectus supplement:

• the distinctive designation of each series and the number of shares that will constitute the series;

• the voting rights, if any, of shares of the series and the terms and conditions of the voting rights;

• the dividend rate on the shares of the series, the dates on which dividends are payable, any restriction, limitation or condition upon the payment of dividends, whether dividends will be cumulative, and the dates from and after which dividends shall accumulate;

• the prices at which, and the terms and conditions on which, the shares of the series may be redeemed, if the shares are redeemable;

• the terms and conditions of a sinking or purchase fund for the purchase or redemption of shares of the series, if such a fund is provided;

any preferential amount payable upon shares of the series in the event of the liquidation, dissolution or winding up of, or upon the distribution of any of our assets; and

the prices or rates of conversion or exchange at which, and the terms and conditions on which, the shares of the series may be converted or exchanged into other securities, if the shares are convertible or exchangeable.

If our board of directors decides to issue any shares of preferred stock, it may discourage or make more difficult a merger, tender offer, business combination or proxy contest, assumption of control by a holder of a large block of our securities, or the removal of incumbent management, even if these events were favorable to the interests of stockholders. Our board of directors, without stockholder approval, may issue preferred stock with voting and conversion rights and dividend and liquidation preferences that may adversely affect the holders of our other equity or debt securities.

The particular terms of any series of preferred stock, and the transfer agent and registrar for that series, will be described in a prospectus supplement. All preferred stock offered, when issued, will be fully paid and nonassessable. Any material United States federal income tax consequences and other special considerations with respect to any preferred stock offered under this prospectus will also be described in the applicable prospectus supplement.

DESCRIPTION OF WARRANTS

We may issue warrants for the purchase of preferred stock, common stock, or any combination thereof. We may issue warrants independently or together with any other securities offered by any prospectus supplement and may be attached to or separate from the other offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into by us with a warrant agent. The warrant agent will act solely as our agent in connection with the warrants and will not assume any obligation or relationship of agency or trust for or with any holders or beneficial owners of warrants. Further terms of the warrants and the applicable warrant agreements will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement relating to any particular issue of warrants will describe the terms of the warrants, including, as applicable, the following:

the title of the warrants;

the aggregate number of the warrants;

the price or prices at which the warrants will be issued;

the designation, terms and number of shares of preferred stock or common stock purchasable upon exercise of the warrants;

the designation and terms of the offered securities, if any, with which the warrants are issued and the number of the warrants issued with each offered security;

the date, if any, on and after which the warrants and the related preferred stock or common stock will be separately transferable;

• the price at which each share of preferred stock or common stock purchasable upon exercise of the warrants may be purchased;

• the date on which the right to exercise the warrants shall commence and the date on which that right shall expire;

• the minimum or maximum amount of the warrants which may be exercised at any one time;

• information with respect to book-entry procedures, if any;

• a discussion of certain U.S. federal income tax considerations; and

• any other terms of the warrants, including terms, procedures and limitations relating to the exchange and exercise of the warrants.

A holder of warrant certificates may exchange them for new certificates of different denominations, present them for registration of transfer, and exercise them at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Until any warrants are exercised, holders of the warrants will not have any rights of holders of the underlying common stock or preferred stock, including any rights to receive dividends or to exercise any voting rights, except to the extent set forth under the heading "Warrant Adjustments" below.

Exercise of Warrants: Each warrant will entitle the holder to purchase for cash shares of common stock or preferred stock at the applicable exercise price set forth in, or determined as described in, the applicable prospectus supplement. Warrants may be exercised at any time up to the close of business on the expiration date set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void. Warrants may be exercised by delivering to the corporation trust office of the warrant agent or any other officer indicated in the applicable prospectus supplement (a) the warrant certificate properly completed and duly executed and (b) payment of the amount due upon exercise. As soon as practicable following exercise, we will forward the shares of common or preferred stock. If less than all of the warrants represented by a warrant certificate are exercised, a new warrant certificate will be issued for the remaining warrants. If we so indicate in the applicable prospectus supplement, holders of the warrants may surrender securities as all or a part of the exercise price for the warrants. **Amendments and Supplements to the Warrant Agreements:** We may amend or supplement a warrant agreement without the consent of the holders of the applicable warrants to cure ambiguities in the warrant agreement, to cure or correct a defective provision in the warrant agreement, or to provide for other matters under the warrant agreement that we and the warrant agent deem necessary or desirable, so long as, in each case, such amendments or supplements do not materially and adversely affect the interests of the holders of the warrants.

Warrant Adjustments: Unless the applicable prospectus supplement states otherwise, the exercise price of, and the number of securities covered by a warrant will be adjusted proportionately if we subdivide or combine our common or preferred stock, as applicable. In addition, unless the prospectus supplement states otherwise, if we, without payment:

• issue capital stock or other securities convertible into or exchangeable for common stock or preferred stock, or any rights to subscribe for, purchase, or otherwise acquire any of the foregoing, as a dividend or distribution to holders of our common stock or preferred stock;

- pay any cash to holders of our common stock or preferred stock other than a cash dividend paid out of our current or retained earnings or other than in accordance with the terms of the preferred stock;
- issue any evidence of our indebtedness or rights to subscribe for or purchase our indebtedness to holders of our common stock or preferred stock; or

issue common stock or preferred stock or additional stock or other securities or property to holders of our common stock or preferred stock by way of spinoff, split-up, reclassification, combination of shares, or similar corporate rearrangement,

then the holders of warrants will be entitled to receive upon exercise of the warrants, in addition to the securities otherwise receivable upon exercise of the warrants and without paying any additional consideration, the amount of stock and other securities and property such holders would have been entitled to receive had they held the common or preferred stock, as applicable, issuable under the warrants on the dates on which holders of those securities received or became entitled to receive such additional stock and other securities and property.

Except as stated above, the exercise price and number of securities covered by a warrant and the amounts of other securities or property to be received, if any, upon exercise of those warrants, will not be adjusted or provided for if we issue those securities or any securities convertible into or exchangeable for those securities, or securities carrying the right to purchase those securities or securities convertible into or exchangeable for those securities.

Holders of warrants may have additional rights under the following circumstances:

- certain reclassifications, capital reorganizations, or changes of the common stock, preferred stock, or depositary shares, as applicable;
- certain share exchanges, mergers, or similar transactions involving us and which result in changes of the common stock, preferred stock, or depositary shares, as applicable; or
- certain sales or dispositions to another entity of all or substantially all of our property and assets.

If one of the above transactions occurs and holders of our common or preferred stock are entitled to receive stock, securities, or other property with respect to or in exchange for their securities, the holders of the common stock or preferred stock warrants then outstanding, as applicable, will be entitled to receive upon exercise of their warrants the kind and amount of shares of stock and other securities or property that they would have received upon the applicable transaction if they had exercised their warrants immediately before the transaction.

DESCRIPTION OF UNITS

The following description, together with the additional information we include in any applicable prospectus supplement, summarizes the material terms and provisions of the units that we may offer under this prospectus. Units may be offered independently or together with common or preferred stock, and warrants offered by any prospectus supplement, and may be attached to or separate from those securities. While the terms we have summarized below will generally apply to any future units that we may offer under this prospectus, we will describe the particular terms of any series of units that we may offer in more detail in the applicable prospectus supplement. The terms of any units offered under a prospectus supplement may differ from the terms described below.

We will incorporate by reference into the registration statement of which this prospectus forms a part the form of unit agreement, including a form of unit certificate, if any, that describes the terms of the series of units we are offering before the issuance of the related series of units. The following summaries of material provisions of the units and the unit agreements are subject to, and qualified in their entirety by reference to, all the provisions of the unit agreement applicable to a particular series of units. We urge you to read the applicable prospectus supplements related to the units that we sell under this prospectus, as well as the complete unit agreements that contain the terms of the units.

General: We may issue units consisting of common stock, preferred stock, and warrants in any combination. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time, or at any time before a specified date.

We will describe in the applicable prospectus supplement the terms of the series of units, including the following:

- the designation and terms of the units and the securities included in the units;
- any provision for the issuance, payment, settlement, transfer or exchange of the units;
- the date, if any, on and after which the units may be transferable separately;
- whether we will apply to have the units traded on a securities exchange or securities quotation system;
- any material United States federal income tax consequences; and

How, for United States federal income tax purposes, the purchase price paid for the units is to be allocated among the component securities.

The provisions described in this section, as well as those described under “Description of Common Stock,” “Description of Preferred Stock,” and “Description of Warrants,” will apply to each unit and to any common stock, preferred stock, or warrant included in each unit, respectively.

Issuance in Series: We may issue units in such amounts and in such numerous distinct series as we determine.

Enforceability of Rights by Holders of Units: Each unit agent will act solely as our agent under the applicable unit agreement and will not assume any obligation or relationship of agency or trust with any holder of any unit. A single bank or trust company may act as unit agent for more than one series of units. A unit agent will have no duty or responsibility in case of any default by us under the applicable unit agreement or unit, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a unit, without the consent of the related unit agent or the holder of any other unit, may enforce by appropriate legal action its rights as holder under any security included in the unit.

Title: We, the unit agent, and any of their agents may treat the registered holder of any unit certificate as an absolute owner of the units evidenced by that certificate for any purposes and as the person entitled to exercise the rights attaching to the units so requested, despite any notice to the contrary.

CERTAIN PROVISIONS OF NEVADA LAW AND OUR CHARTER AND BYLAWS

The following paragraphs summarize certain provisions of Nevada law and our amended and restated articles of incorporation, as amended, and our amended and restated bylaws. The summary does not purport to be complete and is subject to and qualified in its entirety by reference to Nevada law and to our amended and restated articles of incorporation, as amended, and our amended and restated bylaws, copies of which are on file with the SEC as exhibits to reports previously filed by us. See “Where You Can Find More Information.”

General

Certain provisions of our amended and restated articles of incorporation, as amended, and our amended and restated bylaws and Nevada law could make our acquisition by a third party, a change in our incumbent management, or a similar change in control more difficult, including:

- an acquisition of us by means of a tender or exchange offer;
- an acquisition of us by means of a proxy contest or otherwise; or
- the removal of a majority or all of our incumbent officers and directors.

These provisions, which are summarized below, are likely to discourage certain types of coercive takeover practices and inadequate takeover bids. These provisions are also designed to encourage persons seeking to acquire control of us to first negotiate with our board of directors. We believe that these provisions help to protect our potential ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us, and that this benefit outweighs the potential disadvantages of discouraging such a proposal because our ability to negotiate with the proponent could result in an improvement of the terms of the proposal. The existence of these provisions which are described below could limit the price that investors might otherwise pay in the future for our securities.

Articles of Incorporation and Bylaws

Authorized But Unissued Capital Stock. We have shares of common stock and preferred stock available for future issuance without stockholder approval, subject to any limitations imposed by the listing standards of any securities exchange on which our stock may be listed. We may utilize these additional shares for a variety of corporate purposes, including for future public offerings to raise additional capital or facilitate corporate acquisitions or for payment as a dividend on our capital stock. The existence of unissued and unreserved common stock and preferred stock may enable our board of directors to issue shares to persons friendly to current management or to issue preferred stock with terms that could have the effect of making it more difficult for a third party to acquire, or could discourage a third party from seeking to acquire, a controlling interest in our company by means of a merger, tender offer, proxy contest, or otherwise. In addition, if we issue preferred stock, the issuance could adversely affect the voting power of holders of common stock and the likelihood that such holders will receive dividend payments and payments upon liquidation.

Blank Check Preferred Stock. Our board of directors, without stockholder approval, has the authority under our amended and restated articles of incorporation, as amended, to issue preferred stock with rights superior to the rights of the holders of common stock. As a result, preferred stock could be issued quickly and easily, could impair the rights of holders of common stock, and could be issued with terms calculated to delay or prevent a change in control or make removal of management more difficult.

Election of Directors. Our amended and restated bylaws provide that a majority of directors then in office may fill any vacancy occurring on our board of directors, even though less than a quorum may then be in office. These provisions may discourage a third party from voting to remove incumbent directors and simultaneously gaining control of our board of directors by filling the vacancies created by that removal with its own nominees.

Removal of Directors. A director may be removed from office only by the affirmative vote of two-thirds or more of the combined voting power of the then issued and outstanding shares of our capital stock entitled to vote in the election of directors, voting together as a single class.

Anti-takeover Effects of Nevada Law

Business Combinations with Interested Stockholders

The “business combination with interested stockholders” provisions of Sections 78.411 to 78.444, inclusive, of the Nevada Revised Statutes, or NRS, generally prohibit a Nevada corporation with at least 200 stockholders of record from engaging in various “combination” transactions with any interested stockholder for a period of two years after

the date of the transaction in which the person became an interested stockholder, unless the combination is approved by our board of directors prior to the date the interested stockholder obtained such status or the combination is approved by our board of directors and at such time or thereafter is approved at a meeting of the stockholders by the affirmative vote of stockholders representing at least 60% of the outstanding voting power held by disinterested stockholders, and extends beyond the expiration of the two-year period, unless:

the combination was approved by our board of directors prior to the person becoming an interested stockholder or the transaction by which the person first became an interested stockholder was approved by our board of directors before the person became an interested stockholder or the combination is later approved by a majority of the voting power held by disinterested stockholders; or

if the consideration to be paid by the interested stockholder is at least equal to the highest of: (a) the highest price per share paid by the interested stockholder within the two years immediately preceding the date of the announcement of the combination or in the transaction in which it became an interested stockholder, whichever is higher; (b) the market value per share of common stock on the date of announcement of the combination and the date the interested stockholder acquired the shares, whichever is higher; or (c) for holders of preferred stock, the highest liquidation value of the preferred stock, if it is higher.

Notwithstanding the foregoing, NRS 78.411 to 78.444, inclusive, do not apply to any combination of a resident domestic corporation with an interested stockholder after the expiration of four years after the person first became an interested stockholder.

A “combination” is generally defined to include mergers or consolidations or any sale, lease exchange, mortgage, pledge, transfer, or other disposition, in one transaction or a series of transactions, with an “interested stockholder” having: (a) an aggregate market value equal to more than 5% of the aggregate market value of the assets of the corporation, (b) an aggregate market value equal to more than 5% of the aggregate market value of all outstanding voting shares of the corporation, (c) more than 10% of the earning power or net income of the corporation, and (d) certain other transactions with an interested stockholder or an affiliate or associate of an interested stockholder. In general, an “interested stockholder” is a person who, together with affiliates and associates, owns (or within two years, did own) 10% or more of a corporation’s voting stock. The statute could prohibit or delay mergers or other takeover or change in control attempts and, accordingly, may discourage attempts to acquire our company even though such a transaction may offer our stockholders the opportunity to sell their stock at a price above the prevailing market price.

A Nevada corporation may “opt out” of these provisions either with an express provision in its original articles of incorporation or in an amendment to its articles of incorporation or bylaws approved by its stockholders. However, we have not opted out, and do not currently intend to opt out of, these provisions. The statute could prohibit or delay mergers or other takeover or change in control attempts and, accordingly, may discourage attempts to acquire us.

Control Share Acquisitions

The “control share” provisions of Sections 78.378 to 78.3793, inclusive, of the NRS apply to “issuing corporations” that are Nevada corporations with at least 200 stockholders of record, including at least 100 stockholders of record who are Nevada residents, and that conduct business directly or indirectly in Nevada. The control share statute prohibits an acquirer, under certain circumstances, from voting its shares of a target corporation’s stock after crossing certain ownership threshold percentages, unless the acquirer obtains approval of the target corporation’s disinterested stockholders. The statute specifies three thresholds: one-fifth or more but less than one-third, one-third but less than a majority, and a majority or more, of the outstanding voting power. Generally, once an acquirer crosses one of the above thresholds, those shares in an offer or acquisition and acquired within 90 days thereof become “control shares” and such control shares are deprived of the right to vote until disinterested stockholders restore the right. These provisions also provide that if control shares are accorded full voting rights and the acquiring person has acquired a majority or more of all voting power, all other stockholders who do not vote in favor of authorizing voting rights to the control shares are entitled to demand payment for the fair value of their shares in accordance with statutory procedures established for dissenters’ rights.

A corporation may elect to not be governed by, or “opt out” of, the control share provisions by making an election in its articles of incorporation or bylaws, provided that the opt-out election must be in place on the 10th day following the date an acquiring person has acquired a controlling interest, that is, crossing any of the three thresholds described above. We have not opted out of the control share statutes, and will be subject to these statutes if we are an “issuing corporation” as defined in such statutes.

The effect of the Nevada control share statutes is that the acquiring person, and those acting in association with the acquiring person, will obtain only such voting rights in the control shares as are conferred by a resolution of the stockholders at an annual or special meeting. The Nevada control share law, if applicable, could have the effect of discouraging takeovers of our company.

LEGAL MATTERS

The validity of any securities offered by this prospectus will be passed upon for us by Trombly Business Law, PC.

EXPERTS

The consolidated financial statements of Payment Data Systems, Inc. appearing in Payment Data Systems, Inc.’s annual report on Form 10-K for the year ended December 31, 2016, filed April 6, 2017 have been audited by Akin, Doherty, Klein & Feuge, PC, an independent registered public accounting firm, as set forth in their report included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy the registration statement and any document we file with the SEC at the SEC’s Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC also maintains a website that contains reports, proxy and information statements and other information regarding companies, such as ours, that file documents electronically with the SEC. The address of the SEC’s website is www.sec.gov. The information on the SEC’s website is not part of this prospectus, and any references to this website or any other website are inactive textual references only.

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC to register the securities to be offered hereby. This prospectus does not contain all of the information included in the registration statement, including certain exhibits and schedules. You may obtain the registration statement and exhibits to the registration statement from the SEC at the address listed above or from the SEC’s website listed above. In addition to the foregoing, we maintain a website at www.paymentdata.com. Our website content is made available for informational purposes only. It should neither be relied upon for investment purposes nor is it incorporated by reference into this prospectus. We make available at www.paymentdata.com/node/104 copies of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K and any amendments to such document as soon as practicable after we electronically file such material with or furnish such documents to the SEC.

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC permits us to “incorporate by reference” the information contained in documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents rather than by including them in this prospectus. Information that is incorporated by reference is considered to be part of this prospectus and you should read it with the same care that you read this prospectus. Later information that we file with the SEC will automatically update and supersede the information that is either contained, or incorporated by reference, in this prospectus, and will be considered to be a part of this prospectus from the date those documents are filed. We have

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filed with the SEC, and incorporate by reference the following in this prospectus:

our Annual Report on Form 10-K for the year ended December 31, 2016, filed on April 6, 2017;

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our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2017, filed on May 15, 2017, and for the fiscal quarter ended June 30, 2017, filed on August 14, 2017, and for the fiscal quarter ended September 30, 2017, filed on November 14, 2017;

our Current Reports on Form 8-K filed on January 6, 2017; January 13, 2017; March 13, 2017; March 23, 2017; March 31, 2017; May 11, 2017; June 8, 2017; August 7, 2017; September 8, 2017; and November 28, 2017; and the amendment to the Current Report on Form 8-K/A filed on November 17, 2017; and our Definitive Proxy Statement on Schedule 14A, as filed with the SEC on April 27, 2017.

In addition, all documents that we file with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities and Exchange Act of 1934, as amended, after the date of the initial registration statement of which this prospectus is a part and prior to the effectiveness of the registration statement as well as all such documents that we file with the SEC after the date of this prospectus and before the termination of the offering of our securities shall be deemed incorporated by reference into this prospectus and to be a part of this prospectus from the respective dates of filing such documents. Unless specifically stated to the contrary, none of the information that we disclose under Items 2.02 or 7.01 of any Current Report on Form 8-K that we may from time to time furnish to the SEC will be incorporated by reference into, or otherwise included in, this prospectus.

You may request a copy of any or all of the documents incorporated by reference but not delivered with this prospectus, at no cost, by writing or telephoning us at the following address and number: Payment Data Systems, Inc., 12500 San Pedro, Suite 120, San Antonio, Texas, 78216, telephone (210) 249-4100. We will not, however, send exhibits to those documents, unless the exhibits are specifically incorporated by reference in those documents.

DISCLOSURE OF COMMISSION POSITION ON INDEMNIFICATION

Insofar as indemnification for liabilities arising under the Securities Act, as amended, may be permitted to directors, officers, and controlling persons of the registrant pursuant to the Company's constituent documents, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer, or controlling person in the successful defense of any action, suit, or proceeding) is asserted by such director, officer, or controlling person connected with the securities being registered, we will, unless in the opinion of our counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

1,176,000 Shares of Common Stock

PROSPECTUS SUPPLEMENT

MAXIM GROUP LLC

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