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UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

DIGI INTERNATIONAL INC.

(Exact name of Registrant as specified in its charter)

41-1532464
(I.R.S. Employer
Identification No.)
55343
(Zip Code)

DIGI INTERNATIONAL INC. EMPLOYEE STOCK
PURCHASE PLAN AS AMENDED AND RESTATED AS OF
NOVEMBER 27, 2006
(Full title of the plan)

Subramanian Krishnan
Digi International Inc.
11001 Bren Road East
Minnetonka, Minnesota 55343
(Name and address of agent for service)

Telephone number, including area code, of agent for service: (952) 912-3444

CALCULATION OF REGISTRATION FEE

Title of securities to be registered	Amount to be registered (1)	Proposed maximum offering price per share (1) (2)	Proposed maximum aggregate offering price (1) (2)	Amount of registration fee
Common Stock, \$.01 par value	500,000 shares	\$14.74	\$7,370,000	\$226.26

- (1) The Registration Statement relates to 500,000 shares of Common Stock to be offered pursuant to the Registrant's Employee Stock Purchase Plan as Amended and Restated as of November 27, 2006.
- Estimated solely for the purpose of the registration fee pursuant to Rule 457(h)(1) based on the average of the high and low sales prices per share of the Registrant's Common Stock on July 23, 2007, as reported on the Nasdaq Global Select Market.

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PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The documents containing the information specified in Part I of Form S-8 have been or will be sent or given to participants as specified by Rule 428(b)(1) under the Securities Act.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE.

The following documents, previously filed (File No. 0-17972) with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Exchange Act of 1934, as amended (the "Exchange Act"), are, as of their respective dates, incorporated in this Registration Statement by reference and made a part hereof:

- (1) The latest Annual Report on Form 10-K of Digi International Inc. (the "Company") for the fiscal year ended September 30, 2006 filed pursuant to Section 13 of the Exchange Act (File No.0-17972).
- (2) All other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the Annual Report referred to in (1) above.
- (3) The description of the Company's Common Stock which is contained in the Registration Statement on Form 8-A (File No. 0-17972) filed on October 5, 1989 under the Exchange Act and all amendments and reports filed for the purpose of updating such description.
- (4) The description of the Company's Purchase Rights which is contained in the Registration Statement on Form 8-A (File No. 0-17972) filed on June 25, 1998 under the Exchange Act and amended by Amendment No. 1 thereto filed on February 5, 1999 (File No. 1-17972), and all amendments and reports filed for the purpose of updating such description.

All reports and other documents subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all of the shares of Common Stock offered have been sold or which deregisters all shares of the Common Stock then remaining unsold shall be deemed to be incorporated by reference in and a part of this Registration Statement from the date of filing of such documents.

Any statement contained in a document incorporated, or deemed to be incorporated, by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or incorporated herein by reference or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

ITEM 4. DESCRIPTION OF SECURITIES.

Not Applicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL.

Not Applicable.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

Under Delaware law, a corporation may indemnify any person who was or is a party or is threatened to be made a party to an action (other than an action by or in the right of the corporation) by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the corporation's request, as a director, officer, employee

or agent of another corporation or other enterprise, against expenses (including attorneys' fees) that are actually and reasonably incurred by the person ("Expenses"), and judgments, fines and amounts paid in settlement that are actually and reasonably incurred by the person, in connection with the defense or settlement of such action, provided that the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the corporation's best interests, and, with respect to any criminal action or proceeding, had no reasonable cause to believe that his conduct was unlawful. Although Delaware law permits a corporation to indemnify any person referred to above against Expenses in connection with the defense or settlement of an action by or in the right of the corporation, provided that the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the corporation's best interests, if such person has been judged liable to the corporation, indemnification is only permitted to the extent that the Court of Chancery (or the court in which the action was brought) determines that, despite the adjudication of liability, such person is entitled to indemnity for such Expenses as the court deems proper. The General Corporation Law of the State of Delaware also provides for mandatory indemnification of any director or officer against Expenses to the extent such person has been successful in any proceeding covered by the statute. In addition, the General Corporation Law of the State of Delaware provides the general authorization of advancement of a director's or officer's litigation Expenses in lieu of requiring the authorization of such advancement by the board of directors in specific cases, and that indemnification and advancement of Expenses provided by the statute shall not be deemed exclusive of any other rights to which those seeking indemnification of Expenses may be entitled under any bylaw, agreement or otherwise.

Article V of the By-Laws of the Company and indemnification agreements with directors and officers of the Company provide for the broad indemnification of the directors and officers of the Company and for advancement of litigation Expenses to the fullest extent required or permitted by current Delaware law.

The Company maintains a policy of directors and officers liability insurance that reimburses the Company for Expenses that it may incur in conjunction with the foregoing indemnity provisions and that may provide direct indemnification to officers and directors where the Company is unable to do so.

The Certificate of Incorporation of the Company eliminates the personal liability of a director to the Company or its stockholders for monetary damages for breach of fiduciary duty as a director, except under certain circumstances involving certain wrongful acts such as breach of a director's duty of loyalty, acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, for any unlawful acts under Section 174 of the General Corporation Law of the State of Delaware, or for any transaction from which a director derives an improper personal benefit.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED.

Not Applicable.

ITEM 8. EXHIBITS.

Exhibit

4.1	Restated Certificate of Incorporation of the Company as amended (incorporated by reference to Exhibit 3(a) to the Company's Form 10-K for the year ended September 30, 1993 (File No. 0-17972)).
4.2	Amended and Restated By-Laws of the Company (incorporated by reference to Exhibit 3(b) to the Company's Form 10-Q for the quarter ended March 31, 2007 (File No. 0-17972)).

Description

Exhibit	Description
4.3	Digi International Inc. Employee Stock Purchase Plan as Amended and Restated as of November 27, 2006 (incorporated by reference to Exhibit 10(b) to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2006 (File No. 0-17972)).
5.1	Opinion of Faegre & Benson LLP as to the legality of the shares being registered.
23.1	Consent of Faegre & Benson LLP (contained in its opinion filed as Exhibit 5.1 to this Registration Statement).
23.2	Consent of PricewaterhouseCoopers LLP.
24.1	Powers of Attorney.

ITEM 9. UNDERTAKINGS.

- A. The Company hereby undertakes:
 - (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
 - (ii) To reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a twenty percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective Registration Statement; and
 - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement;

provided, however, that paragraphs (A)(1)(i) and (A)(1)(ii) do not apply if the Registration Statement is on Form S-8, and the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Company pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the Registration Statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- B. The Company hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Company's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered herein, and the

offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Company pursuant to the foregoing provisions, or otherwise, the Company has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Company of expenses incurred or paid by a director, officer or controlling person of the Company in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Company will, unless in the opinion of its 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 Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Minnetonka, State of Minnesota, on July 26, 2007.

DIGI INTERNATIONAL INC.

By /s/ Joseph T. Dunsmore
Joseph T. Dunsmore
President, Chief Executive Officer and Chairman

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities indicated on July 26, 2007.

Signature	Title
/s/ Joseph T. Dunsmore Joseph T. Dunsmore	President, Chief Executive Officer, Chairman and Director (Principal Executive Officer and Director)
/s/ Subramanian Krishnan Subramanian Krishnan	Senior Vice President, Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)
Guy C. Jackson	
Kenneth E. Millard	
Ahmed Nawaz	A majority of the Board of Directors*
William N. Priesmeyer	
Bradley J. Williams	
* Joseph T. Dunsmore, by signing his name hereto, does hereby pursuant to powers of attorney duly executed by such.	sign this document on behalf of each of the above named directors of the Registrant
	By /s/ Joseph T. Dunsmore Joseph T. Dunsmore, Attorney in Fact

INDEX TO EXHIBITS

Exhibit	Description	Method of Filing
4.1	Restated Certificate of Incorporation of the Company as amended	Incorporated by Reference
4.2	Amended and Restated By-Laws of the Company	Incorporated by Reference
4.3	Digi International Inc. Employee Stock Purchase Plan as Amended and Restated as of November 27, 2006	Incorporated by Reference
5.1	Opinion of Faegre & Benson LLP as to the legality of the shares being registered	Filed Electronically
23.1	Consent of Faegre & Benson LLP (contained in its opinion filed as Exhibit 5.1 to this Registration Statement)	Filed Electronically
23.2	Consent of PricewaterhouseCoopers LLP	Filed Electronically
24.1	Powers of Attorney	Filed Electronically

FAEGRE & BENSON LLP

2200 Wells Fargo Center, 90 South Seventh Street Minneapolis, Minnesota 55402-3901 Telephone 612-766-7000 Fax 612-766-1600

July 26, 2007

Digi International Inc. 11001 Bren Road East Minnetonka, Minnesota 55343

In connection with the proposed registration under the Securities Act of 1933, as amended, of shares of Common Stock of Digi International Inc., a Delaware corporation (the "Company"), offered and to be offered pursuant to the Digi International Inc. Employee Stock Purchase Plan as Amended and Restated as of November 27, 2006 (the "Plan"), we have examined the Company's Restated Certificate of Incorporation, its Amended and Restated By-Laws, and such other documents, including the Registration Statement on Form S-8, dated the date hereof, to be filed with the Securities and Exchange Commission relating to such shares (the "Registration Statement"), and have reviewed such matters of law as we have deemed necessary for this opinion.

Accordingly, based upon the foregoing, we are of the opinion that:

- 1. The Company is duly and validly organized and existing and in good standing under the laws of the State of Delaware.
- 2. The Company has duly authorized the issuance of the shares of Common Stock which may be issued pursuant to the Plan.
- 3. The shares which may be issued pursuant to the Plan will be, upon issuance, validly issued and outstanding and fully paid and nonassessable.
- 4. All necessary corporate action has been taken by the Company to adopt and amend the Plan, and the Plan is a validly existing plan of the Company.

We consent to the filing of this opinion as an exhibit to the Registration Statement. In giving this consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission.

James E. Nicholson, Secretary of the Company, is a partner of Faegre & Benson LLP. Mr. Nicholson holds options to purchase 78,000 shares of common stock of the Company, all of which are exercisable within 60 days of the date hereof. Such options are held by Mr. Nicholson under nominee agreements for the benefit of Faegre & Benson LLP. In addition, attorneys at Faegre & Benson LLP participating in matters relating to the Registration Statement beneficially own 10,085 shares of common stock of the Company.

This opinion is furnished to you in connection with the filing of the Registration Statement, and is not to be used, circulated, quoted or otherwise relied upon for any other purpose.

Very truly yours,

FAEGRE & BENSON LLP

By /s/ James E. Nicholson
James E. Nicholson, Partner

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated December 4, 2006, relating to the consolidated financial statements, financial statement schedule, management's assessment of the effectiveness of internal control over financial reporting and the effectiveness of internal control over financial reporting, which appears in the Annual Report on Form 10-K of Digi International Inc. for the fiscal year ended September 30, 2006.

/s/ PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP Minneapolis, Minnesota July 26, 2007

Power of Attorney of Director and/or Officer

The undersigned director and/or officer of Digi International Inc., a Delaware corporation, does hereby make, constitute and appoint Joseph T. Dunsmore and Subramanian Krishnan, and either of them, the undersigned's true and lawful attorneys-in-fact, with power of substitution, for the undersigned and in the undersigned's name, place and stead, to sign and affix the undersigned's name as such director and/or officer of said Corporation to a Registration Statement or Registration Statements, on Form S-8 or other applicable form, and all amendments, including post-effective amendments, thereto, to be filed by said Corporation with the Securities and Exchange Commission, Washington, D.C., in connection with the registration under the Securities Act of 1933, as amended, of shares of Common Stock of said Corporation authorized for issuance under said Corporation's Employee Stock Purchase Plan, and to file the same, with all exhibits thereto and other supporting documents, with said Commission, granting unto said attorneys-in-fact, and either of them, full power and authority to do and perform any and all acts necessary or incidental to the performance and execution of the powers herein expressly granted.

/s/ Kenneth E. Millard	
Kenneth E. Millard	

Power of Attorney of Director and/or Officer

The undersigned director and/or officer of Digi International Inc., a Delaware corporation, does hereby make, constitute and appoint Joseph T. Dunsmore and Subramanian Krishnan, and either of them, the undersigned's true and lawful attorneys-in-fact, with power of substitution, for the undersigned and in the undersigned's name, place and stead, to sign and affix the undersigned's name as such director and/or officer of said Corporation to a Registration Statement or Registration Statements, on Form S-8 or other applicable form, and all amendments, including post-effective amendments, thereto, to be filed by said Corporation with the Securities and Exchange Commission, Washington, D.C., in connection with the registration under the Securities Act of 1933, as amended, of shares of Common Stock of said Corporation authorized for issuance under said Corporation's Employee Stock Purchase Plan, and to file the same, with all exhibits thereto and other supporting documents, with said Commission, granting unto said attorneys-in-fact, and either of them, full power and authority to do and perform any and all acts necessary or incidental to the performance and execution of the powers herein expressly granted.

/s/ Ahmed Nawaz	
Ahmed Nawaz	

Power of Attorney of Director and/or Officer

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/s/ Joseph T. Dunsmore	
Joseph T. Dunsmore	

Power of Attorney of Director and/or Officer

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/s/ Subramanian Krishnan	
Subramanian Krishnan	

Power of Attorney of Director and/or Officer

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/s/ William N. Priesmeyer	
William N. Priesmeyer	

Power of Attorney of Director and/or Officer

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/s/ Guy C. Jackson	
Guy C. Jackson	