INPHI Corp Form S-8 November 16, 2010

As filed with the Securities and Exchange Commission on November 16, 2010

Registration No. 333-____

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8

REGISTRATION STATEMENT

Under

THE SECURITIES ACT OF 1933

INPHI CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of 77-0557980 (I.R.S. Employer incorporation or organization)

Identification No.)

3945 Freedom Circle, Suite 1100

Santa Clara, CA (Address of principal executive offices) 95054 (Zip Code)

Inphi Corporation 2010 Stock Incentive Plan

Inphi Corporation 2000 Stock Option/Stock Issuance Plan

(Full title of the plans)

Copy to:

Young K. Sohn

President and Chief Executive Officer

Inphi Corporation

3945 Freedom Circle, Suite 1100

Santa Clara, CA 95054

(408) 217-7300 (Name, address and telephone

number of agent for service)

Allison Leopold Tilley, Esq. Pillsbury Winthrop Shaw Pittman LLP 2475 Hanover Street Palo Alto, CA 94304 (650) 233-4500

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of large accelerated filer, accelerated filer and small reporting company in Rule 12b-2 of the Exchange Act. (Check one)

Large accelerated filer "

Non-accelerated filer x (Do not check if smaller reporting company)

Accelerated filer

Smaller reporting company

...

Proposed Proposed Maximum Maximum Amount **Title of Securities** To Be **Offering Price** Aggregate Amount of To Be Registered (1) Registered (2) Per Share⁽³⁾ **Offering Price Registration Fee** Common Stock, par value \$0.001 per share, to be issued under the 2010 Stock Incentive Plan 2,031,121 \$15.47 \$ 31,421,442 \$2,241 Outstanding options to purchase shares of Common Stock, par value \$0.001 per share(4) 6,674,820 \$15.47 \$7,363 \$103,259,466 \$9,604 Total

- (1) The securities to be registered include options and rights to acquire Common Stock.
- (2) Pursuant to Rule 416, this registration statement also covers any additional securities that may be offered or issued in connection with any stock split, stock dividend, recapitalization or any other similar transaction effected without receipt of consideration, which results in an increase in the number of the Registrant s outstanding shares of Common Stock.
- (3) Estimated pursuant to Rules 457(c) and 457(h) under the Securities Act of 1933, as amended (the Securities Act), solely for the purposes of calculating the registration fee, based on the average of the high and low prices of the Common Stock as reported on the New York Stock Exchange on November 11, 2010.
- (4) Represents shares subject to outstanding options granted under the 2000 Stock Option/Stock Issuance Plan. Up to an aggregate of 397,450 options that are subsequently terminated or forfeited under the 2000 Stock Option/Stock Issuance Plan prior to exercise will be made available for issuance under the 2010 Stock Incentive Plan.

The Registration Statement shall become effective upon filing in accordance with Rule 462 under the Securities Act.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Item 1. Plan Information.*

Item 2. Registrant Information and Employee Program Annual Information.*

* Information required by Part I to be contained in the Section 10(a) prospectus is omitted from this Registration Statement in accordance with Rule 428 under the Securities Act of 1933, as amended (the Securities Act) and the Note to Part I of Form S-8.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents filed by the Registrant with the Securities and Exchange Commission are hereby incorporated by reference in this Registration Statement:

(a) Prospectus dated November 10, 2010 pursuant to Rule 424(b)(1) of the Securities Act (File No. 333-167564), which contains audited consolidated financial statements for the Registrant s latest fiscal year for which such statements have been filed

(b) The description of Registrant s Capital Stock contained in Registrant s registration statement on Form 8-A, filed on October 29, 2010 pursuant to Section 12(b) of the Securities Exchange Act of 1934, as amended (the Exchange Act), including any amendment or report filed for the purpose of updating such description.

In addition, all documents subsequently filed by Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be a part hereof from the date of filing of such documents.

Item 4. Description of Securities. Not applicable.

Item 5. Interests of Named Experts and Counsel. Not applicable.

Item 6. Indemnification of Directors and Officers.

Section 145 of the Delaware General Corporation Law authorizes a court to award or a corporation s board of directors to grant indemnification to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities (including reimbursement for expenses incurred) arising under the Securities Act of 1933. The Registrant s Restated Certificate of Incorporation (Exhibit 3(i).(3) to the Registrant s Registration Statement on Form S-1 (File No. 333-167564) (the Form S-1 Registration Statement)) and the Registrant s

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Amended and Restated Bylaws (Exhibit 3(ii).(2) to the Form S-1 Registration Statement) provide for indemnification of the Registrant s directors, officers, employees and other agents to the extent and under the circumstances permitted by the Delaware General Corporation Law.

The Registrant has entered into Indemnification Agreements (Exhibit 10.3 to the Form S-1 Registration Statement) with its officers and directors that will require the Registrant to, among other things, indemnify them against certain liabilities that may arise by reason of their status or service as directors or officers to the fullest extent not prohibited by law.

Item 7. **Exemption From Registration Claimed.**

Not applicable.

Exhibits.

Item 8.

Exhibit No. Description 5.1 Opinion of Pillsbury Winthrop Shaw Pittman LLP. 23.1 Consent of PricewaterhouseCoopers LLP, independent registered public accounting firm. 23.2 Consent of PricewaterhouseCoopers LLP, Taiwan, independent registered public accounting firm. 23.3 Consent of Pillsbury Winthrop Shaw Pittman LLP (included in Exhibit 5.1). Power of Attorney (see page 4). 24.1 99.1 Inphi Corporation 2010 Stock Incentive Plan and forms of agreements thereunder. (incorporated by reference herein to Exhibit

Item 9. Undertakings.

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

10.2 to the Registrant s Registration Statement on Form S-1 (File No. 333-167564).

(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 20 percent change in the maximum aggregate offering price set forth in the Calculation of Registration Fee table in the effective registration statement;

(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)(i) of this section do not apply if 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 registrant 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 such 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 undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant 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 therein, 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 registrant pursuant to the foregoing provisions, or otherwise, the registrant 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 registrant of expenses incurred or paid by a director, officer or controlling person of the registrant 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 registrant 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, 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 Santa Clara, State of California, on the 16th day of November 2010.

INPHI CORPORATION

By

/s/ YOUNG K. SOHN Young K. Sohn President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Young K. Sohn and John Edmunds and each of them, his true and lawful attorneys-in-fact and agents, each with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments, to this Registration Statement on Form S-8, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents, or his substitute or substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

Name	Title	Date
/s/ Young K. Sohn	President, Chief Executive Officer (Principal Executive Officer) and Director	November 16, 2010
Young K. Sohn		
/s/ John Edmunds	Chief Financial Officer (Principal Financial and Accounting Officer)	November 16, 2010
John Edmunds		
/s/ Diosdado Banatao	Chairman of the Board	November 16, 2010
Diosdado Banatao		
/s/ Chenming C. Hu	Director	November 16, 2010
Chenming C. Hu		
/s/ David Ladd	Director	November 16, 2010
David Ladd		
/s/ Timothy Semones	Director	November 16, 2010
Timothy Semones		
/s/ Peter J. Simone	Director	November 16, 2010

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	Peter J. Simone		
/s/	Sam S. Srinivasan	Director	November 16, 2010
	Sam S. Srinivasan		
	/s/ Lip-Bu Tan	Director	November 16, 2010
	Lip-Bu Tan		

INDEX TO EXHIBITS

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