

Martin Hugh C
 Form 4
 February 12, 2009

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Martin Hugh C

(Last) (First) (Middle)

C/O INFINERA CORPORATION, 169 JAVA DRIVE

(Street)

SUNNYVALE, CA 94089

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 INFINERA CORP [INFN]

3. Date of Earliest Transaction (Month/Day/Year)
 02/10/2009

4. If Amendment, Date Original Filed (Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock					48,047 ⁽¹⁾	D	
Common Stock					48,249 ⁽²⁾	I	See footnote. ⁽³⁾

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
Performance share units	(4)	02/10/2009		A	15,000	02/10/2012 ⁽⁵⁾ 02/10/2012	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Martin Hugh C C/O INFINERA CORPORATION 169 JAVA DRIVE SUNNYVALE, CA 94089		X		

Signatures

/s/ by Michael O. McCarthy, by power of attorney 02/12/2009

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Excludes 1,953 shares previously held directly by the Reporting Person which were re-registered on January 30, 2009 and are now held indirectly by the HMCM Trust U/A/D 10/14/92 for which the Reporting Person serves as trustee.
- (2) Includes 1,953 shares previously held directly by the Reporting Person which were re-registered on January 30, 2009 to the HMCM Trust U/A/D 10/14/92 for which the Reporting Person serves as trustee and are now held indirectly.
- (3) Shares held directly by the HMCM Trust U/A/D 10/14/92 for which the Reporting Person serves as trustee.
- (4) Each performance share unit represents a contingent right to receive one share of INFN common stock.
The reported performance share units entitle the Reporting Person to receive shares of common stock based on INFN's stock price performance as compared to NASDAQ. The amount of shares to be awarded upon vesting is subject to adjustment within a range of
- (5) 7,500 to 30,000 shares based upon the change in INFN's stock price as measured against the change of the NASDAQ. The measurement period is a comparison of the six month average between July 1 and December 31, 2011 as compared to the 30 day trailing average as of December 31, 2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.