GRAY MICHAEL Form 4 May 09, 2011

FORM 4

Check this box

if no longer

subject to

Section 16.

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

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

0.5

Estimated average burden hours per response...

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 4 or
Form 5
obligations
may continue.

See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **GRAY MICHAEL** Issuer Symbol Mellanox Technologies, Ltd. (Check all applicable) [MLNX] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) 350 OAKMEAD 05/05/2011 Chief Financial Officer PARKWAY, SUITE 100 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SUNNYVALE, CA 94085

| (City) | (State) | (Zip) Tab | ole I - Non- | Derivativ | e Secu | ırities Acqui | ired, Disposed of | or Beneficial | ly Owned |
|--------------------------------------|---|---|--|-----------------------------------|------------------------------|----------------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactic Code (Instr. 8) | 4. Securionor Dispo (Instr. 3, | sed of 4 and (A) or | ` ′ | 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 Indirect Beneficial Ownership (Instr. 4) |
| Ordinary Shares | 05/05/2011 | | M | 8,000 | A | \$ 3.5 | 30,000 (1) | D | |
| Ordinary Shares | 05/05/2011 | | S | 8,000 (2) | D | \$ 28.9516 (3) | 22,000 (1) | D | |
| Ordinary Shares | | | | | | | 439 (4) | I | By Trust |

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

Persons who respond to the collection of information contained in this form are not (9-02)

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required to respond unless the form displays a currently valid OMB control number.

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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. Transactic Code (Instr. 8) | 5. Number out 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 Securities (Instr. 3 and 4) | |
|---|---|---|---|--|---|--|--------------------|---|--|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (Right to Buy) | \$ 3.5 | 05/05/2011 | | M | 8,000 | <u>(5)</u> | 10/14/2014 | Ordinary Shares | 8,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GRAY MICHAEL 350 OAKMEAD PARKWAY SUITE 100 SUNNYVALE, CA 94085

Chief Financial Officer

Signatures

/s/ Michael Gray

05/09/2011

**Signature of Date
Reporting Person

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).
- Includes 14,000 restricted stock units ("RSUs"), which were granted to the reporting person on April 13, 2011 and 8,000 RSUs which

 (1) remain from a grant of 12,000 RSUs granted to the reporting person on January 20, 2010. The Reporting Person is entitled to receive one
- (1) ordinary share for each one (1) RSU.(2) The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on July 30, 2010.
- This transaction was executed in multiple trades in prices ranging from \$28.56 to \$29.23. The price reported above reflects the weighted
- (3) average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

Reporting Owners 2

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- (4) Shares held by the M&M Gray Family 2001 Trust U/T/A, for which Mr. Gray is a trustee.
- (5) The shares subject to this option are fully vested and exerciseable.

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.