GRAY MICHAEL Form 4 May 03, 2012

FORM 4

### OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

IIP OF Expires: January 31, 2005
Estimated average

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

burden hours per response... 0.5

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 * GRAY MICHAEL			2. Issuer Name and Ticker or Trading Symbol Mellanox Technologies, Ltd. [MLNX]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last)  350 OAKMEA PARKWAY,		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/01/2012	Director 10% Owner _X Officer (give title Other (specify below)  Chief Financial Officer			
SUNNYVAL	(Street) E, CA 94085	5	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) 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. Transactic Code (Instr. 8)	4. Securi corr 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	05/01/2012		S	1,900 (1) (2)	D	\$ 58.2065 (3)	31,850 (4)	D		
Ordinary Shares	05/01/2012		S	2,350 (1) (2)	D	\$ 58.8562 (5)	29,500 (4)	D		
Ordinary Shares							439 (6)	I	By Trust	

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Tit	le and	8. Price of	9.
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date Ar		Amou	ınt of	Derivative	D
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Unde	rlying	Security	Se
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)	В
	Derivative				Securities			(Instr	. 3 and 4)		O
	Security				Acquired						Fo
					(A) or						R
					Disposed						Tı
					of (D)						(I
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date	Expiration	Title			
						Exercisable	Date	Title	of		
				Code V	(A) (D)				Shares		
				Couc v	(21) (D)				Dilaics		

## **Reporting Owners**

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

**GRAY MICHAEL** 350 OAKMEAD PARKWAY SUITE 100 SUNNYVALE, CA 94085

Chief Financial Officer

### **Signatures**

/s/ Michael Gray

05/03/2012

\*\*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) Restricted share units ("RSU's"). The Reporting Person is entitled to receive one (1) ordinary share for each one (1) RSU.
- The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 23, **(2)** 2011.
- This transaction was executed in multiple trades in prices ranging from \$57.73 to \$58.63. 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 shareholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

**(4)** 

Reporting Owners 2

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Includes 29,500 Restricted Share Units ("RSUs"). The Reporting Person is entitled to receive one (1) ordinary share for each one (1) RSU.

- This transaction was executed in multiple trades in prices ranging from \$58.64 to \$59.25. The price reported above reflects the weighted (5) average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a shareholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.
- (6) Shares held by the M&M Gray Family 2001 Trust U/T/A, for which Mr. Gray is a trustee.

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.