



**Form 4/A**

**Mellanox Technologies, Ltd. - MLNX**

**November, 7 2007**

[Amend] Statement of changes in beneficial ownership of securities

**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**

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. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)	
<u>GRAY MICHAEL</u>			<u>Mellanox Technologies, Ltd. [ MLNX ]</u>		Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Financial Officer</u>	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line)
2900 STENDER WAY			09/07/2007			
(Street)	(City)	(State)	4. If Amendment, Date of Original Filed (Month/Day/Year)			
SANTA CLARA	CA	95054	09/10/2007			<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Ordinary Shares	09/07/2007		S		600	D	\$17	9,957 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		500	D	\$17.25	9,457 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		800	D	\$17.26	8,657 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		500	D	\$17.27	8,157 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		100	D	\$17.3	8,057 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		900	D	\$17.32	7,157 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		250	D	\$17.46	6,907 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		400	D	\$17.48	6,507 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		500	D	\$17.49	6,007 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		200	D	\$17.5	5,807 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		800	D	\$17.51	5,007 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		850	D	\$17.52	4,157 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		100	D	\$17.53	4,057 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		S		900	D	\$17.55	3,157 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>

Ordinary Shares	09/07/2007		s	300	D	\$17.56	2,857 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		s	118	D	\$17.57	2,739 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		s	500	D	\$17.6	2,239 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		s	400	D	\$17.61	1,839 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>
Ordinary Shares	09/07/2007		s	1,400	D	\$17.66	439 <sup>(1)</sup>	I	by Trust <sup>(2)</sup>

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

**Explanation of Responses:**

1. Includes 439 shares (the "Shares") that were acquired by the reporting person on August 31, 2007 pursuant to the company's employee stock purchase plan and subsequently transferred to the M&M Gray Family 2001 Trust U/T/A, for which the reporting person is Trustee (the "Trust"), on September 4, 2007. Ownership of the Shares was erroneously reported as "Direct (D)" on a Form 4 filed by the reporting person on September 10, 2007. The reporting person's pecuniary interest in the Shares did not change as a result of the transfer to the Trust. Except as otherwise noted in this Form 4/A, all other information disclosed in the reporting person's original Form 4 was accurately reported.

2. Shares held by the M&M Gray Family 2001 Trust U/T/A, for which Mr. Gray is a trustee.

**Remarks:**

/s/ Michael Gray by LeeAnn  
Kennedy Stewart, Power of Attorney      11/07/2007

\*\* Signature of Reporting Person      Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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