Mellanox Technologies, Ltd. Form 4

May 20, 2009

FORM 4

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

OMB Number:

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per response... 0.5

Expires:

OMB APPROVAL

3235-0287

January 31,

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 *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

RIORDAN THOMAS

Symbol Mellanox Technologies, Ltd.

(Check all applicable)

[MLNX]

(Last) (First) (Middle)

(Street)

3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify

(Month/Day/Year)

05/19/2009

350 OAKMEAD

Security

(Instr. 3)

PARKWAY, SUITE 100

4. If Amendment, Date Original

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

Filed(Month/Day/Year)

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

below)

SUNNYVALE, CA 94085

(State) (Zip) (City) 1. Title of 2. Transaction Date 2A. Deemed

3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned (I) Ownership (Instr. 4) Following (Instr. 4)

> Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed

5. Number of (Month/Day/Year) Execution Date, if TransactiorDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amour Underlying Securit

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)		(Instr. 3 and	4)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numl of Sh
Non-Qualified Stock Option (right to buy)	\$ 11.74	05/19/2009		A	11,428	<u>(1)</u>	05/19/2019	Ordinary Shares	11,4

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 0	Director	10% Owner	Officer	Other		
RIORDAN THOMAS 350 OAKMEAD PARKWAY SUITE 100 SUNNYVALE, CA 94085	X					

Signatures

/s/ Thomas Riordan by Michael Gray, Power of Attorney 05/20/2009

**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) The shares subject to the option vest in 36 equal and successive monthly installments measured from May 19, 2009, such that 100% of the shares subject to this option will be fully vested and exerciseable on May 19, 2012.

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.

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