| Khazam Jonathan  |                                       |
|------------------|---------------------------------------|
| Form 3           |                                       |
| January 24, 2018 |                                       |
|                  | UNITED STATES SECURITIES<br>Washingto |
|                  | Washingto                             |
|                  |                                       |

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

### INITIAL STATEMENT OF 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<br>Person <u>*</u><br>Khazam Jonathan |                   | 2. Date of Event Requiring<br>Statement<br>(Month/Day/Year) |  | 3. Issuer Name and Ticker or Trading Symbol<br>Mellanox Technologies, Ltd. [MLNX] |  |  |                          |   |
|--|-------------------|---|--|---|--|--|--------------------------|---|
| (Last)   | (First)           | (Middle)  | 01/17/2018   | 5   | 4. Relationship of Reporting Person(s) to Issuer |  |                          | 5. If Amendment, Date Original Filed(Month/Day/Year)  |
| 774 SUNSH  | INE DRIV          | E   |  |   |  |  |                          |   |
|  | (Street)          |   |  |   | (Check all applicable)                           |  |                          | 6. Individual or Joint/Group  |
| LOS ALTOS  | 5, CA 9           | 4024  |  |   | .e   | X 10%<br>X Othe<br>w) (specify belo<br>ation of Respo                      | r<br>ow)                 | Filing(Check Applicable Line)<br>_X_ Form filed by One Reporting<br>Person<br>Form filed by More than One<br>Reporting Person |
| (City)   | (State)           | (Zip)   |  | Table I - N   | lon-Derivat                                      | ive Securiti   | es Be                    | neficially Owned  |
| 1.Title of Secur<br>(Instr. 4)   | ity               |   |  | 2. Amount of<br>Beneficially<br>(Instr. 4)  |  | 3.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 5) | 4. Nat<br>Owne<br>(Instr | 1   |
| Ordinary Sha per share $(1)$   | ares, nomin       | al value N  | IS 0.0175  | 0   |  | D  | Â                        |   |
| Reminder: Repo<br>owned directly o                                     | -                 | ate line for ea   | ch class of secu   | urities benefici  | ially S  | EC 1473 (7-02  | <i>.</i> )               |   |
|  | inform<br>require | ation conta   | oond to the c<br>lined in this f<br>nd unless th<br>//B control ne | form are not<br>e form displ  |  |  |                          |   |

#### Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security | 2. Date Exercisable and | 3. Title and Amount of | 4.          | 5.         | 6. Nature of Indirect |
|---------------------------------|-------------------------|------------------------|-------------|------------|-----------------------|
| (Instr. 4)                      | Expiration Date         | Securities Underlying  | Conversion  | Ownership  | Beneficial Ownership  |
|                                 | (Month/Day/Year)        | Derivative Security    | or Exercise | Form of    | (Instr. 5)            |
|                                 |                         | (Instr. 4)             | Price of    | Derivative |                       |
|                                 |                         | Title                  | Derivative  | Security:  |                       |
|                                 |                         |                        | Security    | Direct (D) |                       |

| OMB<br>Number:                        | 3235-0104           |  |  |  |  |
|---------------------------------------|---------------------|--|--|--|--|
| Expires:                              | January 31,<br>2005 |  |  |  |  |
| Estimated average<br>burden hours per |                     |  |  |  |  |
| response                              | 0.5                 |  |  |  |  |

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| Date        | Expiration | Amount or | or Indirect |
|-------------|------------|-----------|-------------|
| Exercisable | Date       | Number of | (I)         |
|             |            | Shares    | (Instr. 5)  |

S

# **Reporting Owners**

| Reporting Owner Name / Address                               | Relationships |           |         |                              |  |  |
|--|---------------|-----------|---------|------------------------------|--|--|
|  | Director      | 10% Owner | Officer | Other                        |  |  |
| Khazam Jonathan<br>774 SUNSHINE DRIVE<br>LOS ALTOS, CA 94024 | Â             | ÂX        | Â       | See Explanation of Responses |  |  |
| Signatures   |               |           |         |                              |  |  |
| Jonathan Khazam; By: /s/ Jeffrey C. Smith, Attorney in Fact  |               |           |         | 01/24/2018                   |  |  |
| **Signature of Reporting Person                              |               |           |         | Date                         |  |  |

## **Explanation of Responses:**

\* If the form is filed by more than one reporting person, see Instruction 5(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).

The Reporting Person may be deemed to be a member of a Section 13(d) group that beneficially owns in the aggregate more than 10% of the Issuer's outstanding Ordinary Shares. The Reporting Person disclaims beneficial ownership of such Ordinary Shares except to the

(1) and issuer's outstanding ordinary shares. The Reporting Person discrams beneficial ownership of such Ordinary Shares except to the extent of his pecuniary interest therein, and this report shall not be deemed to be an admission that the Reporting Person is the beneficial owner of such Ordinary Shares for purposes of Section 16 or for any other purpose.

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.