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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(f) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person* CIENA Corporation
2. Date of Event Requiring Statement 2-17-02
3. I.R.S. Identification Number of Reporting Person, if an entity (voluntary) 23-2725311
4. Issuer Name and Ticker or Trading Symbol ONI Systems Corp. ONIS
5. Relationship of Reporting Person(s) to Issuer [X] 10% Owner
6. If Amendment, Date of Original (Month/Day/Year)
7. Individual or Joint/Group Filing [X] Form filed by One Reporting Person

Table I — Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4) 2. Amount of Securities Beneficially Owned (Instr. 4) 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) 4. Nature of Indirect Beneficial Ownership (Instr. 5)

No Securities Owned

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 5(b)(v).

Explanation of Responses:

/s/ Russell B. Stevenson, Jr.
Russell B. Stevenson, Jr.
Senior Vice President, General Counsel and
Secretary

February 20, 2002

**Signature of Reporting Person

Date

** 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.

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.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Title	Amount or Number of Shares
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Explanation of Responses:

/s/ Russell B. Stevenson
 Russell B. Stevenson
 Senior Vice President, General Counsel and
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**Signature of Reporting Person

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