

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

Mail Stop 3720

February 14, 2008

Joseph R. Chinnici Sr. Vice President, Finance and Chief Financial Officer Ciena Corporation 1201 Winterson Road Linthicum, MD 21090-2205

Re: Ciena Corporation

Form 10-K for the Fiscal Year Ended October 31, 2007

Filed December 17, 2007

File No. 0-21969

Dear Mr. Chinnici:

We have completed our review of your Form 10-K and related filings and do not, at this time, have any further comments.

Sincerely,

Larry Spirgel Assistant Director