



UNH IOL SATA Consortium SATA Interoperability Report v1

InterOperability Lab — 121 Technology Drive, Suite 2 — Durham, NH 03824 — (603) 862-0090

XXCreateDateXX

XXVendorNameXX

XXVendorCompanyXX

XXVendorAddressXX

XXVendorHonorificXX XXVendorLastNameXX:

Enclosed are the test results from the SATA Interop testing performed on the:

XXDUTDescXX

The testing was performed according to Version 1.4.3 of the *Serial ATA Interoperability Program Unified Test Document* as well as *Serial ATA Interoperability Program Revision 1.1 System Interoperability MS-DOS MOI*, both of which may be viewed online at:

http://www.sata-io.org/developers/interop_14.asp

Note that these tests are based on the SATA specification, *Serial ATA International Organization: Serial ATA Revision 3.2*. The tests covered by this report include those which are defined in the *Serial ATA Interoperability Program Revision 1.4.3 Unified Test Document*.

Note also for convenience, any failures specifically impacting r1.4.3 SATA-IO Integrator's List eligibility are listed as follows:

*** The DUT passed all applicable r1.4.3 SATA-IO Integrator's List Interop tests.**

Please feel free to contact me via email at XXEmailXX with any questions you may have regarding this report.

Sincerely,

XXTesterNameXX

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Table 1: Test Setup and DUT Configuration Information


DUT Details											
Manufacturer	XXVendorCompanyXX										
Description	XXModelNameXX										
Mfr. Serial Number	XXSerialNumberXX										
Firmware Version	XXFWVersionXX										
UNH-IOL ID Number	XXUNHnumberXX										
Device Type	XXFormFactorXX										
Additional Comments/Notes											
<p>The following table contains possible results and their meanings:</p> <table border="1"> <thead> <tr> <th>Result</th> <th>Interpretation</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>The Device Under Test (DUT) was observed to exhibit conformant behavior.</td> </tr> <tr> <td>Pass with Comments</td> <td>The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included, such as due to time limitations only a portion of the testing was performed.</td> </tr> <tr> <td>FAIL</td> <td>The DUT was observed to exhibit non-conformant behavior.</td> </tr> <tr> <td>Not Applicable</td> <td>The DUT does not support the technology required to perform these tests.</td> </tr> </tbody> </table> <p>The data used for the testing is pre-defined and developed from the specification defined COMP pattern. The data has been organized in such a way that different transfer sizes will be used to verify different data transfer behavior of the component. The data is organized in the following transfer sizes: 8KB, 64KB, 256KB, 1MB, and 16MB. A tool with verification of 128-bit CRC calculations will track errors on the data transferred through the component. This will be done using industry standard MD5 signatures based on the specified data and transfer sizes.</p> <p>It is required that test executes for 9 minutes in transferring of data.</p> <p>ATAPI devices will only utilize read transfers while hard disk drives and cables must utilize both read and write transfers.</p> <p>For device component testing, the following cable is used: Molex part #: 88750-5418 </p>		Result	Interpretation	Pass	The Device Under Test (DUT) was observed to exhibit conformant behavior.	Pass with Comments	The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included, such as due to time limitations only a portion of the testing was performed.	FAIL	The DUT was observed to exhibit non-conformant behavior.	Not Applicable	The DUT does not support the technology required to perform these tests.
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Table 2: Summary of SATA interoperability results for the DUT

Configuration	Loops	Total MB Transferred	Time (Seconds)	MB/s	Errors Reported
SYS-01 System Interoperability					
#1 HP DX5150 with ATI SB400	XX11XX	XX21XX	XX31X X	XX41X X	XX51XX
#2 Intel DP67DE with Intel i5-2400	XX12XX	XX22XX	XX32X X	XX42X X	XX52XX
#3 Dell 9150 with Intel ICH7	XX13XX	XX23XX	XX33X X	XX43X X	XX53XX
#4 HP DC5100 with Intel ICH6 Gen1 SSC ON	XX14XX	XX24XX	XX34X X	XX44X X	XX54XX
#5 ASUS M4A88TD-M with AMD Athlon II	XX15XX	XX25XX	XX35X X	XX45X X	XX55XX

