

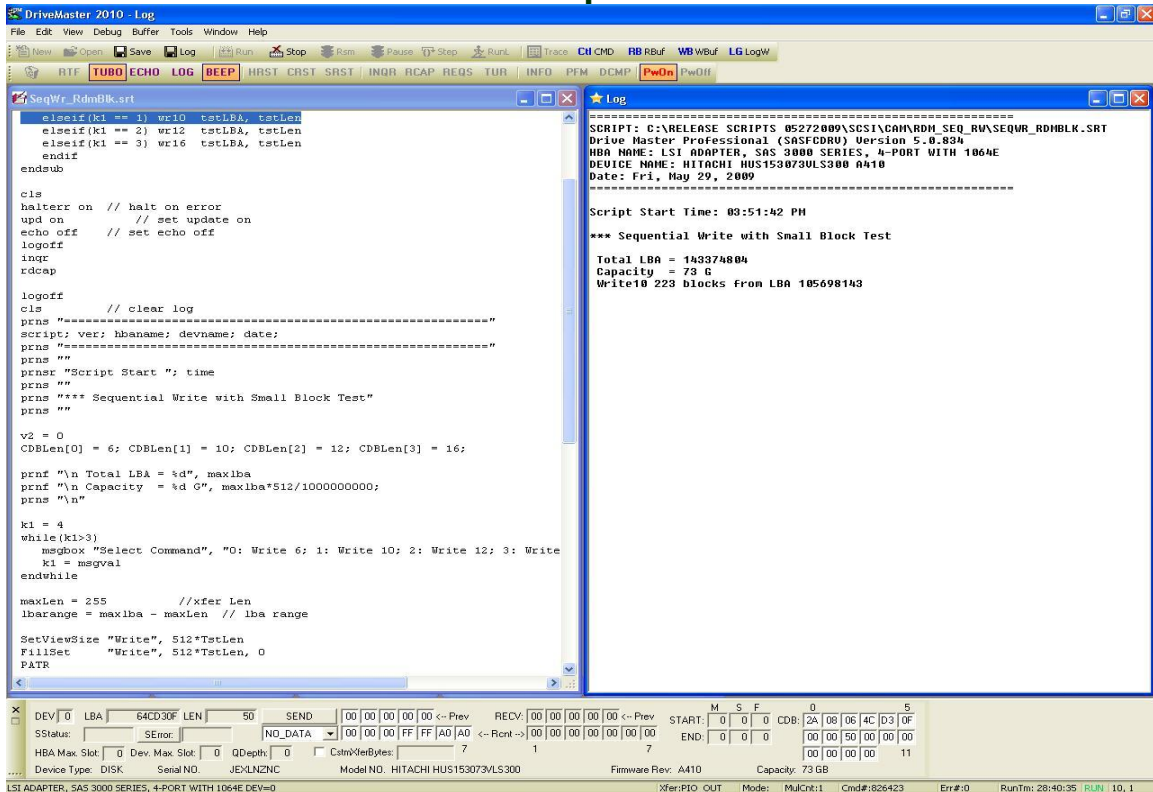


DriveMaster 2010 Enterprise SAS/FC

ULINK Technology, Inc.

Serial Attached SCSI (SAS) & Fiber Channel (FC) Software Testing

DriveMaster 2010 Enterprise SAS/FC Interface



DriveMaster 2010 Enterprise SAS/FC Applications

- ◆ Command function testing
- ◆ General read/write testing
- ◆ Mode page testing
- ◆ Log page testing
- ◆ Illegal OpCode Testing

DriveMaster 2010 Enterprise SAS/FC Features

- ◆ Conform to SCSI Primary Command v4
- ◆ Conform to SCSI Block Command v3
- ◆ Support standard & user defined SCSI commands
- ◆ External power control of device under test (DUT)

DriveMaster 2010 Enterprise SAS/FC Hardware Platform

- ◆ Adaptec 3405 SAS
- ◆ ATTO SAS H680
- ◆ LSI SAS
 - 1064 / 1064E
 - 1078
 - 2008
 - 1068 / 1068E
 - 2108
 - 9260
- ◆ Marvell SAS
 - 6320 / 6340
 - 6480 / 6485
 - 6440 / 6445
 - 9480 / 9485
- ◆ LSI FC
 - 919X
 - 949E
 - 929X
 - 939X
 - 949X
- ◆ QLogic FC
 - 2432



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DM 2010 Ent SAS/FC Command Control Panel

•SCSI Primary Commands

•SCSI Block Commands I

•ASCSI Block Commands II

SCSI Primary Commands Panel

Command Control Panel

SCSI Primary Commands | SCSI Block Commands I | SCSI Block Commands II

Transfer Length

INQUIRY PageCode EVPD

MSENSE 6 DBD LLBA PageCtrl

MSENSE 10 PageCode SubPage

MSELECT 6 PageFmt SavePage

MSELECT10

PageCode SubPage PC

LOG SENSE PPC SP PmPointer

LOG SELECT PCR SP

RD BUFFER Mode Buffer ID

WR BUFFER Buf Offset

SEND DIAG PF SelfTst DevOffL UnitOffL

RCV DIAG PageCode PCV

RPT DEVID RD MEDIA SN RPT TSTAMP RPT PRIOR RPT PTGRP

SET DEVID RPT LUNS SET TSTAMP SET PRIOR SET PTGRP

SCSI Block Commands I

Command Control Panel

SCSI Primary Commands | SCSI Block Commands I | SCSI Block Commands II

Loop Count (Dec) Infinite

RD CAP 10 LBA (Hex) LENGTH (Hex)

RD CAP 16 PMI

READ 6 Start LBA(Hex) End LBA(Hex) BLK(Hex) DPO

READ 10 FUA

READ 12 RDPROTECT GROUPNO. FUA_NV

READ 16 Random Sequential Fixed

Data Pattern User Pattern

WRITE 6 Start LBA(Hex) End LBA(Hex) BLK(Hex) DPO

WRITE 10 FUA

WRITE 12 WRPROTECT GROUPNO. FUA_NV

WRITE 16 Random Sequential Fixed CMP

WR SAME 10 Start LBA(Hex) End LBA(Hex) BLK(Hex) PBDATA

LBDATA

WR SAME 16 Random Sequential Fixed

SYNCACHE10 LBA (Hex) LENGTH (Hex) GROUPNO. SYNC_NV

SYNCACHE16 IMM

START STOP PWR IMM LoEj START

SCSI Block Commands II

Command Control Panel

SCSI Primary Commands | SCSI Block Commands I | SCSI Block Commands II

Loop Count (Dec) Infinite

FMT UNIT FmtCode(Hex) FMTINFO RTO_REQ LONGLIST

RDDEFECT10 FmtCode(Hex) FMTDATA CMLIST

RDDEFECT12 REQ_PLST REQ_GLST

REASSIGN LongLBA LongList

PREFETCH10 LBA (Hex) LENGTH GROUPNO. IMM

PREFETCH16

RDLONG 10 LBA(Hex) XFERLEN

RDLONG 16 CORRECT PBLOCK

WRLONG 10 LBA(Hex) XFERLEN COR_DIS PBLOCK

WRLONG 16 WR_UNCOR

WR & VFY 10 Start LBA(Hex) End LBA(Hex) BLK(Hex) DPO

WR & VFY 12 BYTCHK

WR & VFY 16 WRPROTECT GROUPNO. Pattern

VERIFY 10 Start LBA(Hex) End LBA(Hex) BLK(Hex)

VERIFY 12 DPO

VERIFY 16 WRPROTECT GROUPNO. BYTCHK

Random Sequential Fixed



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