HP ProLiant ML330 Generation 3 ATA Cabling Matrix

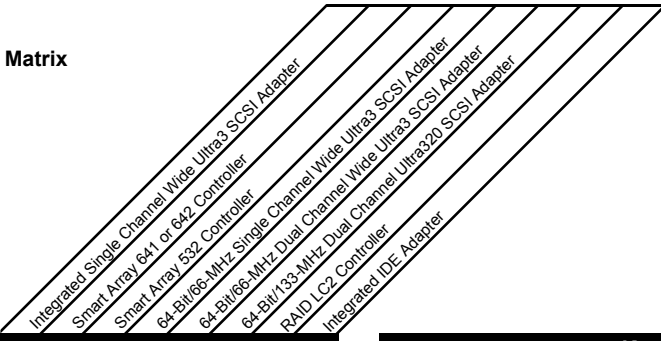|	Integrated Dual Channel Ultra ATA-100 Adapter	Integrated ATAPI Adapter	Smart Array 641 or 642 Controller	Smart Array 532 Controller	64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter	64-Bit/133-MHz Dual Channel Wide Ultra320 SCSI Adapter	RAID LC2 Controller
Internal Cabling								
ATA Hard Drive	✓							
DAT and AIT Hot-Plug Tape Drives			□	□	□	□	□	
DAT, AIT, DLT VS Tape Drives					O	O	O	
AIT 35-GB IDE Tape Drive		✓						
External Cabling, Primary Storage								
StorageWorks Enclosure 43XX Family			O	O	O	O	O	
External Cabling, Tape and Optical Storage								
DAT, AIT, SDLT and 1/8 Autoloaders					✓	✓	✓	
DLT1 1280 SuperLoader					✓	✓	✓	
AIT, DAT, DLT, DLT VS, SDLT, and LTO Tape Drives					✓	✓	✓	
3U Rackmount Kit (AIT, DAT, DLT, DLT VS, SDLT, LTO)					1	2	2	
5U Rackmount Kit (DLT, SDLT, LTO)					✓	✓	✓	
Smart Array Cluster Storage			✓					
External Cabling, Tape Libraries								
SSL2020 AIT Library							2	
MSL50*XX* and MSL*60XX* Libraries							3	

Key	
✓	Cable(s) included.
O	Order option kit 273463-B21 - 2-device NHP SCSI cable.
□	Order option kit 244059-B21, ML3xx Two Bay Hot Plug SCSI Drive Cage
	Not supported.
1	Order 5-m HD68-HD68 cable, part number 328215-001
2	Order one of the following VHDCI-HD68 cables:
	341177-B21—12-ft VHDCI-HD68 cable
	341176-B21—6-ft VHDCI-HD68 cable
	201160-B21—10-m VHDCI-HD68 cable
3	Order one of the following VHDCI-VHDCI cables:
	341175-B21—12-ft VHDCI-VHDCI cable
	341174-B21—6-ft VHDCI-VHDCI cable

Definitions

HD68—High-density 68-pin SCSI cable connector
VHDCI—Very high density cable interconnect 68-pin SCSI cable connector
Pt. to pt.—No termination on SCSI cable
LVD—Low voltage differential supporting Wide Ultra2 transfer rates

Internal Cable Part Numbers

Cable Part Number (printed on cable)	Cable Type	Quantity	Spare Kit Number
235199-001	Internal ATA cable	1	253826-001

NOTE: The information in this matrix lists whether or not additional cables need to be purchased with each controller-to-option configuration. For information on how to cable an option, refer to the *HP ProLiant ML330 Generation 3 Setup and Installation Guide*, the device-specific documentation, and the controller-specific documentation. For information on the specific options supported by the server, refer to the server and device QuickSpecs.

HP ProLiant ML330 Generation 3 SCSI Cabling Matrix

	Integrated Single Channel Wide Ultra3 SCSI Adapter	Smart Array 641 or 642 Controller	Smart Array 532 Controller	64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter	RAID LC2 Controller	Integrated IDE Adapter
Internal Cabling								
Wide Ultra320 Hot-Plug Hard Drives	✓	✓	✓	✓	✓	✓	✚	
Wide Ultra320 Universal Non-Hot Plug Hard Drives	✓	✓	✓	✓	✓	✓	✚	
DAT Non-Hot-Plug Tape Drives	○			○	○	○		
DAT and AIT Hot-Plug Tape Drives	□	□	□	□	□	□		
AIT 35-GB Tape Drive, LVD	✓			○	○	○		
AIT 50-GB Tape Drive	✓			○	○	○		
AIT 35-GB IDE Tape Drive								✓
DLT VS Tape Drives	✓			○	○	○		
External Cabling, Primary Storage								
StorageWorks Enclosure 43XX Family		✓	✓	✓	✓	✓		
External Cabling, Tape and Optical Storage								
AIT, SSL1016, DAT, and 1/8 Autoloaders				✓	✓	✓		
DLT1 1280 SuperLoader				✓	✓	✓		
DAT, AIT, DLT, SDLT, and LTO Tape Drives				✓	✓	✓		
DLT VS Tape Drives				2	✓	✓		
3U Rackmount Tape Drives (DAT, AIT, DLT, DLT VS, SDLT, LTO)				2	3	3		
5U Rackmount Tape Drives (DLT, SDLT, LTO)				✓	✓	✓		
Smart Array Cluster Storage			✓					
External Cabling, Tape Libraries								
SSL2020 AIT Library					1			
MSL50XX Libraries					4			

Key

✓	Cable(s) included.
	Not supported.
○	Order option kit 273463-B21 - 2-device NHP SCSI cable.
□	Order option kit 244059-B21, ML3xx Two Bay Hot Plug SCSI Drive Cage
✚	Refer to the *RAID LC2 Controller User Guide* for SCSI cabling and option kit information.
1	Order one of the following VHDCI-HD68 cables:
	341177-B21—12-ft VHDCI-HD68 cable
	341176-B21—6-ft VHDCI-HD68 cable
	201160-B21—10-m VHDCI-HD68 cable
2	Order 5-m HD68-HD68 cable, part number 328215-001
3	Order one of the following VHDCI-HD68 cables:
	341177-B21—12-ft VHDCI-HD68 cable
	341176-B21—6-ft VHDCI-HD68 cable
	201160-B21—10-m VHDCI-HD68 cable
4	Order one of the following VHDCI-VHDCI cables:
	341175-B21—12-ft VHDCI-VHDCI cable
	341174-B21—6-ft VHDCI-VHDCI cable

Definitions

HD68—High-density 68-pin SCSI cable connector
VHDCI—Very high density cable interconnect 68-pin SCSI cable connector
Pt. to pt.—No termination on SCSI cable
LVD—Low voltage differential supporting Wide Ultra2 transfer rates

Internal Cable Part Numbers

Cable Part Number (printed on cable)	Cable Type	Quantity	Spare Kit Number
148785-007	Internal SCSI Ultra3 5-device cable	1	289229-001

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