

# HP ProLiant DL740 Cabling Matrix

Integrated Smart Array 5i Controller  
 Smart Array 530X-Series Controllers  
 Smart Array 5312 Controllers  
 Smart Array 641 or 642 Controllers  
 Smart Array 532 Controller  
 64-Bit/133-MHz Dual Channel  
 64-Bit/66-MHz Single Channel Ultra320 SCSI Adapter  
 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter  
 Smart Array 5302/SAN PCI Fibre Channel Host Adapter  
 64-Bit/33-MHz PCI Fibre Channel Host Adapter  
 FCA2101 Host Adapter

	Integrated Smart Array 5i Controller	Smart Array 530X-Series Controllers	Smart Array 5312 Controllers	Smart Array 641 or 642 Controllers	Smart Array 532 Controller	64-Bit/133-MHz Dual Channel	64-Bit/66-MHz Single Channel	64-Bit/66-MHz Dual Channel	Smart Array 5302/SAN PCI Fibre Channel	64-Bit/33-MHz PCI Fibre Channel	FCA2101 Host Adapter
<b>Internal Cabling</b>											
Universal Ultra 320 Hot-Plug Hard Drives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DAT and AIT Hot Plug Tape Drives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>External Cabling, Primary Storage</b>											
StorageWorks Enclosure 4x00 Family		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>External Cabling, Tape and Optical Storage</b>											
DAT, AIT, and 1/8 Autoloaders						✓	✓	✓			
DLT1 1280 SuperLoader						✓	✓	✓			
AIT, DAT, DLT, DLT VS, SDLT, and LTO Tape Drives						✓	✓	✓			
3U Rackmount Tape Drives (AIT, DAT, DLT, DLT VS, SDLT, LTO)						1	2	1			
5U Rackmount Tape Drives (DLT, SDLT, LTO)						✓	✓	✓			
Smart Array Cluster Storage					✓						
<b>External Cabling, Tape Libraries</b>											
SSL2020 AIT Library									1	Π	Π
ESL 9XXX Libraries									1	Π	Π
MSL 50XX Libraries									3	Π	Π
<b>External Cabling, Fibre Channel Storage</b>											
RAID Array 4x00										★	★
MSA 1000											
MA 8000											6
EMA 12000											4
EMA 16000											4

Key	
✓	Cable(s) included
★	Cable(s) included, but when using a hub or switch, additional fibre channel cables may be required. Refer to the device-specific user documentation for more information on cabling with hubs and switches.
Π	Cable(s) included, but Modular Data Router, with hub or switch, is necessary to connect this option. Refer to the device-specific user documentation for more information on cabling with Modular Data Routers, hubs, and switches.
	Not Supported
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-VHDCI cables: 341175-B21—12-ft VHDCI-VHDCI cable 341174-B21—6-ft VHDCI-VHDCI cable
4	Order one of the following Option Kits: 234457-B21—2-m Fibre Channel Short Wave cable 234457-B23—15-m Fibre Channel Short Wave cable When using a hub or switch, additional fibre channel cables may be required. Refer to the device-specific user documentation for more information on cabling with hubs and switches.
5	Order one of the following Option Kits: 234457-B21—2-m Fibre Channel Short Wave cable 234457-B23—15-m Fibre Channel Short Wave cable Modular Data Router, with hub or switch, is necessary to connect this option. Refer to the device-specific user documentation for more information on cabling with Modular Data Routers, hubs, and switches.
6	Order one of the following cables (Adapter may be needed for hubs or switches with an SC connector): 221692-B21—2-m multimode Fibre Channel cable 221692-B22—5-m multimode Fibre Channel cable 221692-B23—12-m multimode Fibre Channel cable

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

Internal Cable Part Numbers			
Cable Part Numbers (printed on cable)	Cable Type	Quantity	Spare Kit Number
127985-001	Internal HD68 pt. to pt. SCSI cable	1	149097-001
009703-002	Internal SCSI cable	1	146447-002

**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 DL740 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.

© 2003 Hewlett Packard Development Company, L.P.

Hewlett-Packard Company shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.