

# HP ProLiant DL380 G3 Cabling Matrix



	Smart Array 5i Plus Controller	Smart Array 530X Controllers	Smart Array 5312 Controller	Smart Array 641 or 642 Controllers	Smart Array 532 Controller	64-Bit/133-MHz Controller	64-Bit/66-MHz Dual Channel Controller	64-Bit/66-MHz Single Channel Ultra320 SCSI Adapter	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter	Smart Array 5302/FC Controller	64-Bit/33-MHz PCI Fibre Channel Host Adapter	FCA2101 Host Adapter
<b>Internal Cabling</b>												
Ultra320 Hot-Plug Hard Drives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DAT and AIT Hot-Plug Tape Drives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AIT 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							✓	✓	✓			
DAT, AIT, DLT, LTO, and SDLT Tape Drives	✓						✓	✓	✓			
3U Rackmount Tape Drives (DAT, AIT, DLT, LTO and SDLT)	1						1	2	1			
5U Rackmount Tape Drives (DLT, SDLT, and LTO)	✓						✓	✓	✓			
Smart Array Cluster Storage				✓								
<b>External Cabling, Tape Libraries</b>												
SSL2020 AIT Library										1	Π	Π
MSL50XX Libraries										3	Π	Π
<b>External Cabling, Fibre Channel Storage</b>												
RAID Array 4x00											✘	✘
MSA 1000												

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 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.
5	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

**NOTE:** The following options are available for internal disk drive cabling:

**Simplex mode** - All 6 internal drives are driven by either the Smart Array 5i Plus controller (shipping configuration) or by a PCI-based controller (cable included).

**Duplex mode** - Both internal channels are driven by the Smart Array 5i Plus controller (cable included), or the first two drives are driven by the Smart Array 5i Plus controller and the other four drives are driven by a PCI-based controller (cable included).

Internal Cable Part Numbers			
Cable Part Numbers (printed on cable)	Cable Type	Quantity	Spare Kit Number
199606-019	Internal HD 68 SCSI pt. to pt. Cable	2	289567-001
166298-038	Internal 2-Device HD68 terminated SCSI Cable	1	289567-001

**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 DL380 Generation 3 Documentation CD*, 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.

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