HP ProLiant ML110 Generation 2 Cabling Matrix

This matrix provides information on cables required to connect internal and external options.

The ML110 G2 includes a single SCSI cable for the connection of the system hard drives. To use a second SCSI channel for tape backup, drive duplexing, connection of the two-bay drive cage, or connection of external SCSI devices; a second SCSI cable is required.

Use this matrix to identify any additional cables that may be required.

Option	SCSI Connector on the Option	Cable Type Included with the Option	Supported HBAs/Controllers	Additional Cables Required
Internal Hard Drives				
SATA non-hot-plug drive in standard non-hot-plug drive cage	none	No SATA cable included with the option	The non-hot-plug drive cage can be connected to one of the following: Integrated SATA host controller (SATA Models) 6-Port SATA RAID Controller (355671-B21)	Follow the same HDD utility end user order to maintain cable quantity
Ultra320 Non-Hot-Plug Hard Drives in standard non-hot-plug drive cage	LVD Wide 68 Pin	No SCSI cable included with the option	The non-hot-plug drive cage can be connected to one of the following: Slot-based Ultra320 SCSI Controller (SCSI Models) HP Single-Channel SCSI RAID Controller (P/N 355671-B21) 64-Bit/133-MHz single-channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	No additional cables required
Internal Optical Storage				
DRV, CD,48X		UDMA cable	N/A	No additional cables required
internal Tape and Optical Storage				
Tape 24i	LVD Narrow 50 pin	50-to-68 pin adapter and HD68-HD68 cable	Slot-based Ultra320 SCSI Controller (SCSI models) 64-Bit/133-MHz single channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	No additional cables required
Tape 40i	LVD wide 68 pin	HD 68- HD68	Slot-based Ultra320 SCSI Controller (SCSI models) 64-Bit/133-MHz single channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	No additional cables required
Tape 72i	LVD wide 68 pin	HD 68- HD68	Slot-based Ultra320 SCSI Controller (SCSI models) 64-Bit/133-MHz single channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	No additional cables required
Disk-to-Disk backup solution, USB 2.0	None	USB cable	N/A	No additional cables required
DVD-ROM/CD-RW, 48X combo	None	18-in UDMA cable	N/A	No additional cables required
DVD-ROM/CD-RW, 48X combo refresh	None	18-in UDMA cable	N/A	No additional cables required
FDD 1.44				Additional cables required for CTO models only
USB Floppy Drive				No additional cables required
USB 1.44-MB external diskette drive				No additional cables required
256-MB HP Drive Key				No additional cables required
v90 56-K PCI Modem US				No additional cables required
Cards				
Slot-based Ultra320 SCSI Controller (SCSI Models)	LVD wide 68 pin	N/A	N/A	No additional cables required
64-Bit/133-MHz Single Channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	LVD wide 68 pin	No SCSI cable included with the option	N/A	Internal SCSI cable, 4 drops (P/N 166389-B21) / Internal SCSI cable, 2 drops (P/N 273463-B21)
HP Single Channel SCSI RAID Controller (P/N 355671-B21)	LVD wide 68 pin	No SCSI cable included with the option	N/A	Internal SCSI cable, 4 drops (P/N 166389-B21) / Internal SCSI cable, 2 drops (P/N 273463-B21)

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 ML110 Generation 2 Reference and Troubleshooting Guide and the device-specific documentation. For information on the specific options supported by the server, refer to the server and device QuickSpecs.