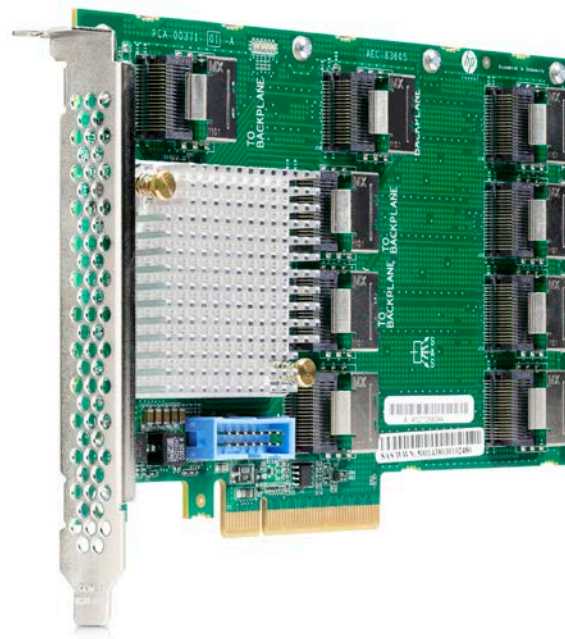# QuickSpecs

Overview

HPE 12G SAS Expander Card

The HPE 12G SAS Expander Card provides internal storage expansion within the HPE ProLiant Gen9 and Gen10 Server by allowing support for up to 28 drives when connected to a Gen10 or Gen9 supported Smart Array or Smart HBA controller. This full height card supports 12Gb/s SAS connectivity and is ideal for users who want to add additional internal storage to maximize their storage capacity.

Models

HPE SAS Expander Card Kits	HP 12Gb SAS Expander Card with Cables for DL380 Gen9	727250-B21
	HP 12Gb SAS Expander Card for ML350 Gen9	769635-B21
	HP ML350 Gen9 2nd Expander Card	727251-B21
	HPE ML350 Gen9 2nd Expander FIO Kit	769637-B21
	HPE ProLiant DL560 Gen9 SAS Expander Card	804228-B21
	HPE DL560 Gen10 SAS Expander Kit	873444-B21
	HPE DL38X Gen10 12Gb SAS Expander	870549-B21

Kit contents
- HPE 12G SAS Expander card
- All the cables required for specified server will be included in the kit

Standard Features

Key Features	• Storage interface (SAS/SATA)
	    o 28 physical links across 9 x4 internal ports
	    o 12Gb/s SAS, 6Gb/s SATA technology
	    o Mix-and-match SAS and SATA hard drives to the same controller
	• PCI Express 3.0 x8 link
	• Supports up to 28 internal drive bays (dependent on the server)
	• Up to 64 logical drives when connected to a Smart Array Controller

Ports	• 2 x4 Mini-SAS ports for attachment to Smart Array controllers or Smart HBAs • 7 x4 Mini-SAS ports for attachment to server drive backplanes o Supports up to 28 drives (dependent on server)
Performance	• 12Gb/s SAS (1200 MB/s theoretical bandwidth per SAS lane) • 6Gb/s SATA (600 MB/s theoretical bandwidth per SAS lane) • PCI Express 3.0 x8 link width
Dimensions	• 6.6 x 4.4 x 0.6 in (16.8 x 11.13 x 1.5 cm) PCIe full-height, half-length card
Warranty	The warranty for this device is 3-years parts only. **Warranty Upgrade Options** • Response - Upgrade on-site response from next business day to same day 4 hours • Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days • Duration - Select duration of coverage for a period of 1, 3, or 5 years • Warranty upgrade options can come in the form of Care Packs, which are sold at the HPE System level to which this product attaches.
Server Support	HPE ProLiant DL380 Gen9 HPE ProLiant DL380 Gen10 HPE ProLiant DL560 Gen9 HPE ProLiant DL560 Gen10 HPE ProLiant ML350 Gen9
Operating Systems	Please reference **Smart Array** QuickSpecs along with ProLiant Gen10 or Gen9 server for Operating Systems support.