

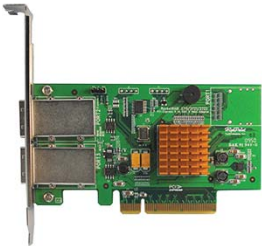


A-Series Host Adapters

OGT-AH100:101, AH102:105, OGT-AH106

The A-Series Host Adapters are part of OakGate's add-on products that are supported with OakGate's software, appliances, modules, and enclosures. They include multiple host adapters for all popular storage protocols, such as:

- NVMe x16 host card (including management interface (MI) support)
- SAS/SATA host bus adapters (HBAs)
- Enterprise HBAs (FC, FCoE, iSCSI, Infiniband)

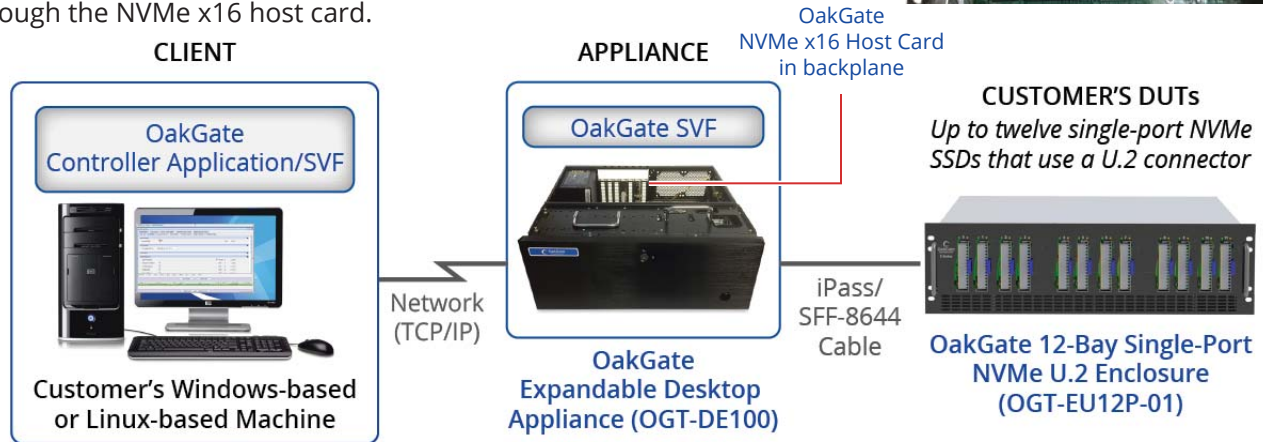
The host adapter resides in a PCIe x8 or x16 backplane slot of an appliance. It provides input/output processing and physical connectivity between the appliance and the protocol-specific device under test (DUT). For example, the A-Series NVMe x16 host card, residing in an expandable desktop appliance, provides communication between the appliance and NVMe SSDs in an OakGate 12-bay U.2 enclosure. The host adapters may be included in some OakGate products or can be purchased separately.

3/6G SAS/SATA HBA with Eight Ports (OGT-AH100)	12G SAS / 6G SATA HBA with Eight Ports (OGT-AH101)	NVMe x16 Host Card (OGT-AH106)
		
<p>The 3/6G SAS/SATA HBA resides in a PCIe backplane slot (PCIe x8 is recommended) of the appliance.</p> <p>With eight external ports, it provides communication between the appliance and SAS/SATA 2.5" SSDs:</p> <ul style="list-style-type: none"> • Within an OakGate 24-slot SAS/SATA enclosure • Standalone 	<p>The 12G SAS / 6G SATA HBA resides in a PCIe backplane slot (PCIe x8 is recommended) of the appliance .</p> <p>With eight external ports, it provides communication between the appliance and SAS/SATA 2.5" SSDs:</p> <ul style="list-style-type: none"> • Within an OakGate 12-bay U.2 enclosure • Within an OakGate 24-slot SAS/SATA enclosure • Standalone 	<p>The NVMe x16 host card resides in a PCIe backplane slot (PCIe x16 is recommended) of the appliance. It provides communication between the appliance and NVMe 2.5" SSDs in an:</p> <ul style="list-style-type: none"> ◦ OakGate 4-bay U.2 plug-in module ◦ OakGate 12-bay U.2 enclosure <p>It also connects to MI devices in an:</p> <ul style="list-style-type: none"> ◦ OakGate 4-bay U.2 plug-in module ◦ OakGate appliance backplane
<p>Specifications</p> <ul style="list-style-type: none"> • Host Bus Type – PCIe Gen2 x8 • Dimensions – 4.72" W × 2.68" H • External connector – two mini-SAS SFF-8088 • Bracket – full height, low profile 	<p>Specifications</p> <ul style="list-style-type: none"> • Host Bus Type – PCIe Gen3 x8 • Dimensions – 6.0" W × 2.6" H • External connector – two mini-SAS high-density (HD) SFF-8644 • Bracket – full height, low profile, vented 	<p>Specifications</p> <ul style="list-style-type: none"> • Host Bus Type – PCIe Gen3 x16 • Dimensions – 5.85" W × 4.68" H • Internal connectors – seven SFF-8643 female connectors to connect up to four single-port or dual-port NVMe SSDs in the 4-bay U.2 plug-in module • External connector – four SFF-8644 connectors to connect to the 12-bay U.2 enclosure • 8-pin DIP switch – provides manual control over various PCIe functionality. • Bracket – full height

CONFIGURATION EXAMPLE

The photo on the right shows a NVMe x16 host card installed in an expandable desktop appliance to enable the testing of NVMe SSDs in the OakGate 12-bay single-port NVMe enclosure.

In the following configuration example, the client, with the OakGate controller application and SVF, directs the appliance. The appliance tests the NVMe SSDs in the 12-bay enclosure through the NVMe x16 host card.



ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
A-SERIES HOST ADAPTERS	
3/6G SAS/SATA HBA with Eight Ports	OGT-AH100
12G SAS / 6G SATA HBA with Eight Ports	OGT-AH101
8G Fibre Channel HBA with Four Ports	OGT-AH102
16G Fibre Channel HBA with Two Ports	OGT-AH103
10/40G iSCSI/FCoE HBA with Two Ports	OGT-AH104
40/56G Infiniband/iSCSI HBA with Two Ports	OGT-AH105
NVME x16 Host Card	OGT-AH106
COMPATIBLE D-SERIES and R-SERIES APPLIANCES	
Compact Desktop and Expandable Desktop Appliances	OGT-DC100, OGT-DE100
1U, 2U, and 3U Rackmount Appliances	OGT-R100, OGT-R200, OGT-R300
COMPATIBLE M-SERIES 4-BAY PLUG-IN MODULES	
4-Bay NVMe U.2 Plug-In Modules	OGT-MU401, OGT-MU402
4-Bay Multi-Protocol U.2 Plug-In Module	OGT-MU403
COMPATIBLE E-SERIES 12-BAY ENCLOSURES	
12-Bay NVMe U.2 Enclosures	OGT-EU12P-01, OGT-EU12P-02
12-Bay SAS/SATA U.2 Enclosure	OGT-EU12S-12
12-Bay Multi-Protocol U.2 Enclosures	OGT-EU12M-01, OGT-EU12M-02

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