

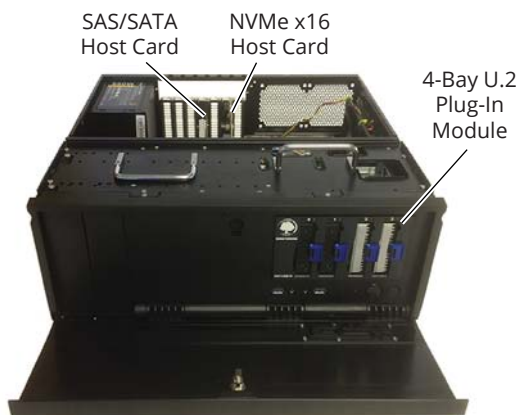
M-Series 4-Bay U.2 Plug-In Modules

OGT-MU401, OGT-MU402, OGT-MU403

The M-Series 4-Bay U.2 Plug-In Modules provide a simple, flexible way to test mixed-protocol SSDs within an OakGate expandable desktop or 3U rackmount appliance. The module resides in the front compartment of the OakGate appliance and allows testing of up to four SSDs that use a U.2 (SFF-8639) connector. The OakGate Storage Validation Framework (SVF) software, supplied with the appliance, can exercise each SSD individually, as well as provide built-in power cycling and power measurement capabilities.



Front View of the 4-Bay U.2 Plug-In Module



Expandable Desktop Appliance with a 4-Bay U.2 Multi-Protocol Plug-In Module Installed






3U Rackmount Appliance with Two 4-Bay Single/Dual-Port NVMe U.2 Plug-In Modules Installed

(One or two modules can be installed in a 3U rackmount appliance)

FEATURES

- Supported protocols include: NVMe, NVME-MI (standard and basic), SAS, SATA, and AHCI
- Ability to run unique tests on each device individually and concurrently
- Individual power cycling and power measurement under software control:
 - Configurable to support 3.3V, 5V, and 12V
 - Ability to turn power on/off to each port/device
 - Ability to measure voltage and current for each port/device (at a sample rate of approximately one read/second)
 - Ability to measure power under various low power states (at a sample rate of approximately one read/second)
- LED indicators: power (green) and activity (amber) on front of module; CPU heartbeat and dual-port PCIe on inside of module
- Allows easy access to the device diagnostic port, if it is located on the front-side (opposite of the U.2 connector)
- Simple, tool-less device replacement
- Can be installed in an existing appliance, or ordered pre-installed

4-BAY U.2 PLUG-IN MODULES

4-Bay Single-Port NVMe U.2 Plug-In Module (OGT-MU401)	4-Bay Single/Dual-Port NVMe U.2 Plug-In Module (OGT-MU402)	4-Bay Multi-Protocol U.2 Plug-In Module (OGT-MU403)
		
<p>Accommodates up to four, single-port NVMe SSDs</p>	<p>Accommodates up to four, single/dual-port NVMe SSDs</p>	<p>Accommodates up to four, single/dual-port NVMe, 12G SAS, and 6G SATA SSDs (in any combination)</p>
<p>Includes:</p> <ul style="list-style-type: none"> • 4-bay U.2 plug-in module • Four device carriers • NVMe x16 host card (for PCIe communication with the appliance) • Four SFF-8643 PCIe Y cables (for single-port PCIe x4 connection) • One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> • 4-bay U.2 plug-in module • Four device carriers • NVMe x16 host card (for PCIe communication with the appliance) • Four SFF-8643 PCIe Y cables and one SFF-8643 PCIe 3-4 cable (for single/dual-port PCIe x2 connection) • One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> • 4-bay U.2 plug-in module • Four device carriers • NVMe x16 host card (for PCIe communication with the appliance) • Four SFF-8643 PCIe Y cables and one SFF-8643 PCIe 3-4 cable (for single/dual-port PCIe x2 connection) • SAS/SATA Host Card (for SAS/SATA communication with the appliance) • Two SAS/SATA port cables (for single/dual-port SAS/SATA connection) • One-year hardware/software support

ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
M-SERIES 4-BAY U.2 PLUG-IN MODULES	
4-Bay Single-Port NVMe U.2 Plug-In Module	OGT-MU401
4-Bay Dual-Port NVMe U.2 Plug-In Module	OGT-MU402
4-Bay Multi-Protocol U.2 Plug-In Module	OGT-MU403
COMPATIBLE D-SERIES and R-SERIES APPLIANCES	
Expandable Desktop Appliance	OGT-DE100
3U Rackmount Appliance	OGT-R300
COMPATIBLE A-SERIES ADD-ONS	
PCIe Power Interposer Card for some appliances and enclosures	OGT-AP100

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