

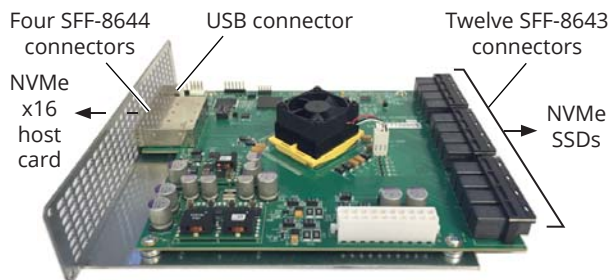
E-Series 12-Bay U.2 Enclosures

**OGT-EU12P-01, OGT-EU12P-02, OGT-EU12S-12,
OGT-EU12M-01, OGT-EU12M-02**

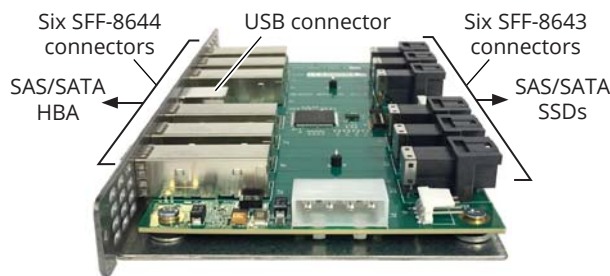
The E-Series 12-Bay U.2 Enclosures provide a simple, flexible way to test several mixed-protocol SSDs when connected to an OakGate expandable desktop or 3U rackmount appliance. This 3U rackmount enclosure allows testing of up to twelve SSDs that use a U.2 (SFF-8639) connector. The OakGate Storage Validation 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 12-Bay U.2 Enclosure



PCIe Gen3 NVMe switch card resides in a 12-bay NVMe U.2 enclosure, enabling PCIe communication between the NVMe x16 host card in the appliance and the NVMe SSDs.



SAS/SATA enclosure card resides in a 12-bay SAS/SATA U.2 enclosure, enabling communication between the SAS/SATA HBA in the appliance and the SAS/SATA SSDs.

SPECIFICATIONS

ENCLOSURE DIMENSIONS	
Form Factor:	19" rackmount form factor
Chassis Dimensions:	17.5" W × 5.25" (3U) × 20" D
POWER SPECIFICATIONS	
Power supply:	760W
Maximum drive power:	40W per drive

FEATURES

- Supported protocols include: NVMe, NVMe-MI (standard and basic), SAS, SATA, AHCI
- Supported U.2 SSDs include: single/dual-port NVMe, single/dual-port 12G SAS, and single-port 6G SATA
- 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 enclosure; CPU heartbeat and dual-port PCIe on inside of enclosure
- 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

12-BAY U.2 ENCLOSURES

12-Bay Single-Port NVMe U.2 Enclosure (OGT-EU12P-01)	12-Bay Dual-Port NVMe U.2 Enclosure (OGT-EU12P-02)	12-Bay SAS/SATA U.2 Enclosure (OGT-EU12S-01)	12-Bay Multi-Protocol, Single-Port NVMe U.2 Enclosure (OGT-EU12M-01)	12-Bay Multi-Protocol, Dual-Port NVMe U.2 Enclosure (OGT-EU12M-02)
Accommodates up to 12 single-port NVMe SSDs	Accommodates up to 12 dual-port NVMe SSDs	Accommodates up to 12 single/dual-port 12G SAS and single-port 6G SATA SSDs	Accommodates up to 12 single-port NVMe, single/dual-port 12G SAS, and single-port 6G SATA SSDs	Accommodates up to 12 dual-port NVMe, single/dual-port 12G SAS, and single-port 6G SATA SSDs
<p>Includes:</p> <ul style="list-style-type: none"> 12-bay U.2 enclosure <ul style="list-style-type: none"> PCIe Gen3 NVMe switch card Three custom PCIe x4 cables Three internal power cables NVMe x16 host card iPass/SFF-8644 cable USB cable 12 device carriers One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> 12-bay U.2 enclosure <ul style="list-style-type: none"> Two PCIe Gen3 NVMe switch cards Six custom PCIe x2 cables Three internal power cables Internal board control cable Two NVMe x16 host cards Two iPass/SFF-8644 cables USB cable 12 device carriers One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> 12-bay U.2 enclosure <ul style="list-style-type: none"> SAS/SATA enclosure card Six internal HD mini-SAS SFF-8643 cables Three internal power cables Three SAS/SATA HBAs Six external HD mini-SAS SFF-8644 cables USB cable 12 device carriers One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> 12-bay U.2 enclosure <ul style="list-style-type: none"> PCIe Gen3 NVMe switch card Three custom PCIe x4 cables SAS/SATA enclosure card Six internal HD mini-SAS SFF-8643 cables Four internal power cables Internal board control cable NVMe x16 host card iPass/SFF-8644 cable Three SAS/SATA host cards Six external HD mini-SAS SFF-8644 cables USB cable 12 device carriers One-year hardware/software support 	<p>Includes:</p> <ul style="list-style-type: none"> 12-bay U.2 enclosure <ul style="list-style-type: none"> Two PCIe Gen3 NVMe switch cards Six custom PCIe x2 cables SAS/SATA enclosure card Six internal HD mini-SAS SFF-8643 cables Four internal power cables Internal board control cable Two NVMe x16 host cards Two iPass/SFF-8644 cables Three SAS/SATA HBAs Six external HD mini-SAS SFF-8644 cables USB cable 12 device carriers One-year hardware/software support

ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
E-SERIES 12-BAY U.2 ENCLOSURES	
12-Bay Single-Port NVMe U.2 Enclosure	OGT-EU12P-01
12-Bay Dual-Port NVMe U.2 Enclosure	OGT-EU12P-02
12-Bay SAS/SATA U.2 Enclosure	OGT-EU12S-01
12-Bay Multi-Protocol, Single-Port NVMe U.2 Enclosure	OGT-EU12M-01
12-Bay Multi-Protocol, Dual-Port NVMe U.2 Enclosure	OGT-EU12M-02
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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