

E-Series 12-Bay EDSFF Enclosures for PCIe Gen4

OGT-EDL12P-01-G4, OGT-EDL12P-02-G4, OGT-EDS12P-01-G4, OGT-EDS12P-02-G4

When connected to an OakGate expandable desktop or 3U rackmount appliance, the E-Series 12-Bay EDSFF Enclosure for PCIe Gen4 allows testing for up to twelve Enterprise and Datacenter SSD Form Factor (EDSFF) 1U NVMe solid state drives (SSDs) that use a x4 (1C) SFF-TA-1002 connector.

Depending on the enclosure type, various EDSFF 1U NVMe SSDs can be tested:

- PCIe Gen4 12-Bay Enclosure for EDSFF 1U Long NVMe SSDs:
 - OGT-EDL12P-01-G4: single-port
 - OGT-EDL12P-02-G4: dual-port
- PCIe Gen4 12-Bay Enclosure for EDSFF 1U Short NVMe SSDs:
 - OGT-EDS12P-01-G4: single-port
 - OGT-EDS12P-02-G4: dual-port

The OakGate Enduro controller application and Storage Validation Framework Pro (SVF Pro) software, supplied with the appliance, can exercise each SSD individually, as well as provide built-in power cycling and power measurement capabilities. The front panel of this 3U enclosure provides access to the device slots, as well as the slot's activity and power LEDs (see Figure 1).

As shown in the following Figure 2, the back panel of the enclosure contains the appliance cable connectors (SFF-8644 and USB).

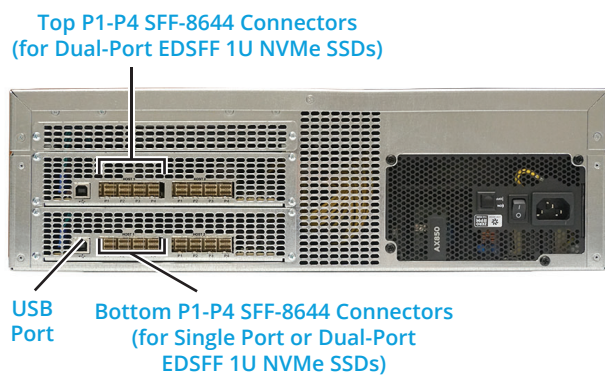


Figure 2. Back View of the 12-Bay EDSFF Enclosure



Figure 1. Front View of the 12-Bay EDSFF 1U Long Enclosure for Testing 1U, Long NVMe SSDs



FEATURES

- PCI Express® 4.0 (PCIe Gen4) compatible
- Contains 12 bays, each with a x4 (1C) SFF-TA-1002 connector
- Tests EDSFF 1U NVMe SSDs
- Ability to run unique tests on each SSD 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 per second)
 - Ability to measure power under various low power states (at a sample rate of approximately one read per second)
- LED indicators on front of enclosure:
 - Power (green)
 - Activity (amber)
- Simple, tool-less device replacement
- Rack-mountable using the included rack-rail kit

SPECIFICATIONS

SOFTWARE REQUIREMENTS	DRIVE BAYS	ENCLOSURE DIMENSIONS		
OakGate SVF Pro v4.1.x	12 drive bays, each with a x4, 1C SFF-TA-1002 connector	Long:	17.5" W × 28.25" D × 5.25" (3U) H	
OPERATING SYSTEM		Short:	17.5" W × 20.00" D × 5.25" (3U) H	
CentOS 7.x or later	POWER SUPPLY SPECIFICATIONS		ENCLOSURE WEIGHT (without SSDs)	
PCIe SPECIFICATION SUPPORT	Power:	850W	Long:	~18kg (~40lbs)
Gen4	Maximum Drive Power:	40W per drive	Short:	~16kg (~35lbs)

12-BAY EDSFF ENCLOSURE TYPES

PCIe Gen4 12-Bay Enclosure for EDSFF 1U Long NVMe SSDs		PCIe Gen4 12-Bay Enclosure for EDSFF 1U Short NVMe SSDs	
			
OGT-EDL12P-01-G4	OGT-EDL12P-02-G4	OGT-EDS12P-01-G4	OGT-EDS12P-02-G4
Tests up to 12 EDSFF 1U long, single-port NVMe SSDs	Tests up to 12 EDSFF 1U long, dual-port NVMe SSDs	Tests up to 12 EDSFF 1U short, single-port NVMe SSDs	Tests up to 12 EDSFF 1U short, dual-port NVMe SSDs
Supported with an Expandable Desktop Appliance for PCIe Gen4 or a 3U Rackmount Appliance for PCIe Gen4.		Supported with an Expandable Desktop Appliance for PCIe Gen4 or a 3U Rackmount Appliance for PCIe Gen4.	
Includes: <ul style="list-style-type: none"> External HIB (installed in the appliance) SFF-8644 (4 connectors) to SFF-8644 (4 connectors) cable USB cable Power cord Rack-rail kit One-year hardware/software support 	Includes: <ul style="list-style-type: none"> Two external HIBs (installed in the appliance) Two SFF-8644 (4 connectors) to SFF-8644 (4 connectors) cables USB cable Power cord Rack-rail kit One-year hardware/software support 	Includes: <ul style="list-style-type: none"> External HIB (installed in the appliance) SFF-8644 (4 connectors) to SFF-8644 (4 connectors) cable USB cable Power cord Rack-rail kit One-year hardware/software support 	Includes: <ul style="list-style-type: none"> Two external HIBs (installed in the appliance) Two SFF-8644 (4 connectors) to SFF-8644 (4 connectors) cables USB cable Power cord Rack-rail kit One-year hardware/software support

ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
E-SERIES 12-BAY EDSFF ENCLOSURES	
PCIe Gen4 12-Bay Enclosure for EDSFF 1U Long Single-Port NVMe SSDs	OGT-EDL12P-01-G4
PCIe Gen4 12-Bay Enclosure for EDSFF 1U Long Dual-Port NVMe SSDs	OGT-EDL12P-02-G4
PCIe Gen4 12-Bay Enclosure for EDSFF 1U Short Single-Port NVMe SSDs	OGT-EDS12P-01-G4
PCIe Gen4 12-Bay Enclosure for EDSFF 1U Short Dual-Port NVMe SSDs	OGT-EDS12P-02-G4
COMPATIBLE D-SERIES and R-SERIES APPLIANCES	
Expandable Desktop Appliance for PCIe Gen4	OGT-DE200-G4
3U Rackmount Appliance for PCIe Gen4	OGT-R300-G4

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