

# OakGate 16-Bay Enclosures

## for PCI Express® 5.0

### OakGate SSD Test Appliances



### Key Features

- Supported protocols include: NVMe, NVMe-MI (standard and basic)
- 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, 3.3V Aux, 5V, and 12V power rails
- Ability to turn power on/off to each device
- Ability to measure voltage and current for each port/device
- Ability to measure power under various low NVMe power states
- LED indicators: power (green), activity (yellow), alert (red), and link status speed (blue) on front of module
- Allows easy access to the device diagnostic port, if it is located on the front-side (opposite of the connector)
- Rack-mountable using the included rack-rail kit
- Chassis dimensions: Approx. 17" W x 28" L x 5.2" H

**OakGate 16-Bay Enclosures for the R300-G5-PRO Rackmount and DE200-G5-PRO Desktop Appliances for PCIe® 5.0 are a robust, versatile way to test and debug solid -state NVMe drives (SSDs). Enclosures are available to support all popular storage interfaces.**

The E-Series 16-Bay Expansion Enclosures provide a simple, flexible way to test all the popular SSD form factors and connector types when attached to an OakGate R300-G5-PRO Rackmount Appliance or DE200-G5-PRO Desktop Appliance.

The Expansion Enclosure allows testing of up to sixteen SSDs and provides a flexible way to increase a customer's test capabilities. This allows much larger configurations to be tested with single appliance which can help reduce test time.

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.

The robust SVF software, now in its fifth generation, offers a comprehensive set of testing features and capabilities.

Enduro with SVF supports a broad range of capabilities including deep protocol inspection and analysis, high performance traffic generation, full performance characterization, error injection, advanced test automation and power cycling.

The new OakGate PCIe 5.0 platforms offer power measurements and power cycling, all under software control.



Figure 1. Front View of an E1.S 16-Bay Expansion Enclosure

Part Number	Description	PCIe® 5.0	Slots	Single-Port	Dual-port	NVMe	NVMe-MI	Power per Slot	Max Lane Width
OGT-ED3-16P-G5	Accommodates up to sixteen single/dual-port E3.S/L Drives	✓	16	✓	✓	✓	✓	Up to 25W	x8, 2x2
OGT-EU2-16P-G5	Accommodates up to sixteen single/dual-port U.2 NVMe SSDs	✓	16	✓	✓	✓	✓	Up to 25W	x4, 2x2
OGT-EM2-16P-G5	Accommodates up to sixteen M.2 NVMe SSDs	✓	16			✓	✓	Up to 25W	x4
OGT-EU3-16P-01-G5	Accommodates up to sixteen single-port U.3 NVMe SSDs	✓	16	✓		✓	✓	Up to 25W	x4
OGT-EU3-16P-02-G5	Accommodates up to sixteen dual-port U.3 NVMe SSDs	✓	16		✓	✓	✓	Up to 25W	2x2
OGT-EDS-16P-G5	Accommodates up to sixteen, single/dual-port E1.S NVMe SSDs	✓	16	✓	✓	✓	✓	Up to 40W	x8, 2x2
OGT-EDS25-8P-G5	Accommodates up to eighth single/dual-port E1.S 25mm NVMe SSDs	✓	8	✓	✓	✓	✓	Up to 40W	x8, 2x2
OGT-EDL-16P-G5	Accommodates up to sixteen single/dual -port E1.L NVMe SSDs	✓	16	✓	✓	✓	✓	Up to 40W	x8, 2x2

### Connection support and configurations:

- Enclosures are available to support the most common SSD connector types
- Test a multitude of different connector types to meet all your SSD test demands
- Enclosures are supported with the DE200-G5-PRO Desktop and R300-G5-PRO Rackmount Appliances
- Larger configurations can be tested with single appliance which can help reduce test time

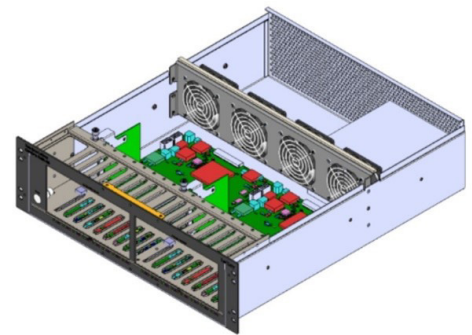


Figure 2. 16-Bay Expansion Enclosure (Internal View)

## Ordering Information

### Product Description

OakGate PCIe 5.0 Pro R300 Rackmount Appliance  
OakGate PCIe 5.0 Pro DE200 Desktop Appliance

### Compatible E-Series 16-Bay Enclosures

OakGate PCIe 5.0 16-Bay Enclosure for EDSFF E3 Short/Long Drives (Single/Dual-Port Mode)  
OakGate PCIe 5.0 16-Bay Enclosure for EDSFF E1 LONG Drives (Single/Dual-Port Mode)  
OakGate PCIe 5.0 16-Bay Enclosure for EDSFF E1 SHORT Drives (Single/Dual-Port Mode)  
OakGate PCIe 5.0 16-Bay Enclosure for EDSFF E1 SHORT 25mm Drives (Single/Dual-Port Mode)  
OakGate PCIe 5.0 16-Bay Enclosure for U.2 PCIe/NVMe Drives (Single/Dual-Port Mode)  
OakGate PCIe 5.0 16-Bay Enclosure for U.2 Single/Dual Port SAS/SATA Drives  
OakGate PCIe 5.0 16-Bay U.3 Single-port Enclosure PCIe/NVMe Drives  
OakGate PCIe 5.0 16-Bay U.3 Dual-port Enclosure PCIe/NVMe Drives  
OakGate PCIe 5.0 16-Bay Enclosure for M.2 PCIe/NVMe Drives

### Product Code

OGT-R300-G5-PRO  
OGT-DE200-G5-PRO

OGT-ED3-16P-G5  
OGT-EDL-16P-G5  
OGT-EDS-16P-G5  
OGT-EDS25-16P-G5  
OGT-EU2-16P-G5  
OGT-EU2-16S-G5  
OGT-EU3-16P-01-G5  
OGT-EU3-16P-02-G5  
OGT-EM2-16P-G5



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