

# R-Series Rackmount Appliances




**OGT-R100, OGT-R200, OGT-R300**

The R-Series Rackmount Appliances are versatile test systems designed to support all popular storage interfaces and protocols, such as PCIe, SAS, SATA, and FC. As the name implies, the rackmount appliances fit in a standard 19-in rack enclosure at 1U, 2U, and 3U heights.

These appliances are designed to meet the demands for high-density scaling with their PCIe expansion slots, which can connect to a variety of external enclosures. The 2U and 3U appliances

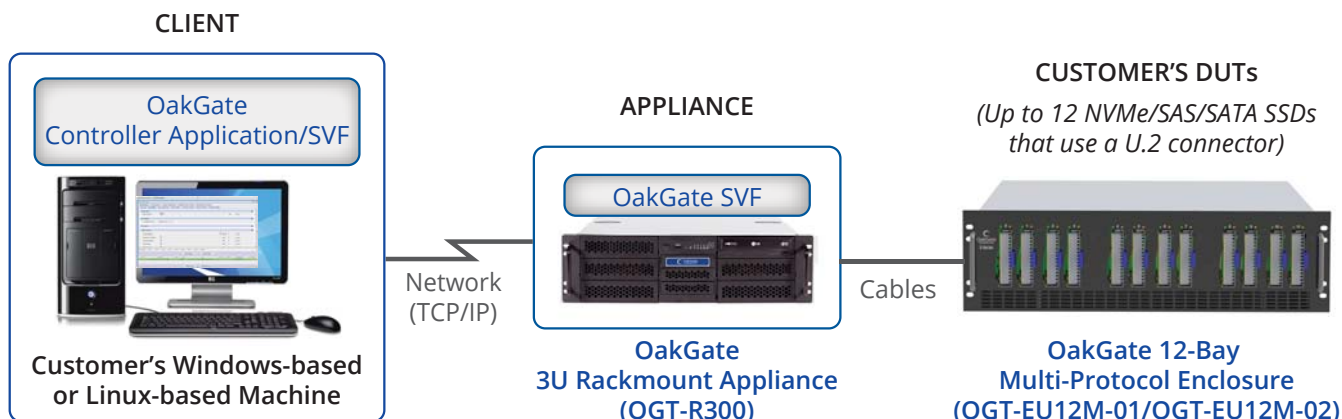
include several embedded device slots/bays for "in-appliance" testing. All appliances include the ability for power management.

All rackmount appliances include and are driven by OakGate's Storage Validation Framework (SVF) engine, the industry's most advanced storage-testing software. The robust SVF software, now in its third generation, offers a comprehensive set of testing features and capabilities. For more SVF details, see the *OakGate SVF Product Brochure*.

1U Rackmount Appliance (OGT-R100)	2U Rackmount Appliance (OGT-R200)	3U Rackmount Appliance (OGT-R300)
		
<p>Provides a versatile storage test platform designed to support all popular storage protocols.</p> <p>It includes a PCIe x16 slot for expansion to external enclosures.</p>	<p>Provides a powerful SAS/SATA testing platform. It features 24 front-panel-accessible drive bays for 2.5" 6G SAS/SATA devices.</p> <p>In addition to the three PCIe Gen3 x8 slots for the internal SAS/SATA devices, it also provides three additional PCIe Gen3 x16 expansion slots for high-density scaling.</p>	<p>Provides a versatile and powerful storage testing platform for all popular storage protocols. It includes six PCIe Gen3 slots (three x16 and three x8) which can test several DUTs internally or be used as expansion slots for high-density scaling.</p> <p>It can also be equipped with one or two optional 4-bay U.2 plug-in modules that provide integrated power management.</p>
<p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>• Dimensions of chassis: 16.9" W x 1.75" (1U) H x 17" D</li> <li>• Intel Xeon single-socket, hex-core processor, 3.50 GHz</li> <li>• 24GB DDR4 ECC system memory</li> <li>• One PCIe Gen3 x16 expansion slot</li> <li>• Driven by the SVF engine</li> <li>• One-year hardware/software support</li> </ul>	<p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>• Dimensions of chassis: 16.9" W x 3.5" (2U) H x 26" D</li> <li>• Intel Xeon dual-socket, hex-core processor, 3.50 GHz</li> <li>• 24GB DDR4 ECC system memory</li> <li>• 24 embedded 2.5-inch drive bays supporting 6Gbps SAS/SATA devices</li> <li>• Three PCIe Gen3 x8 slots to connect up to 24 internal SAS/SATA devices</li> <li>• Three PCIe Gen3 x16 slots for expansion</li> <li>• Driven by the SVF engine</li> <li>• One-year hardware/software support</li> </ul>	<p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>• Dimensions of chassis: 16.9" W x 5.25" (3U) H x 26" D</li> <li>• Intel Xeon dual-socket, eight-core processor, 3.50 GHz</li> <li>• 48GB DDR4 ECC system memory</li> <li>• Six PCIe Gen3 expansion slots: <ul style="list-style-type: none"> <li>◦ Three x16 slots</li> <li>◦ Three x8 slots</li> </ul> </li> <li>• Provides support for up to two 4-bay U.2 plug-in modules</li> <li>• Driven by the SVF engine</li> <li>• One-year hardware/software support</li> </ul>

## APPLIANCE CONFIGURATION EXAMPLE

The following figure shows a configuration for testing up to twelve NVMe/SAS/SATA SSDs that use a U.2 (SFF-8639) connector. It shows the client, with the OakGate controller application and SVF, directing the OakGate 3U rackmount appliance, which is connected to an OakGate 12-bay multi-protocol U.2 enclosure.



## ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
<b>R-SERIES APPLIANCES</b>	
1U Rackmount Appliance	OGT-R100
2U Rackmount Appliance	OGT-R200
3U Rackmount Appliance	OGT-R300
<b>COMPATIBLE M-SERIES MODULES (3U Rackmount Only)</b>	
4-Bay NVMe U.2 Plug-In Modules (single or dual-port NVMe)	OGT-MU401, OGT-MU402
4-Bay Multi-protocol U.2 Plug-In Module	OGT-MU403
<b>COMPATIBLE A-SERIES ADD-ONS</b>	
3/6G SAS/SATA (or 12G SAS/6G SATA) Host Bus Adapter with Eight Ports	OGT-AH100, OGT-AH101
NVME x16 Host Card	OGT-AH106
PCIe Power Interposer Cards	OGT-AP100, OGT-AP101
8GB ECC System Memory	OGT-AM-108
<b>COMPATIBLE E-SERIES ENCLOSURES for 2.5" SSDs</b>	
12-Bay NVMe U.2 Enclosures (single or dual-port NVMe)	OGT-EU12P-01, OGT-EU12P-02
12-Bay SAS/SATA U.2 Enclosure	OGT-EU12S-12
12-Bay Multi-Protocol U.2 Enclosures (single or dual-port NVMe)	OGT-EU12M-01, OGT-EU12M-02
24-Bay Single-Port NVMe U.2 Enclosure	OGT-EP241
<b>COMPATIBLE E-SERIES ENCLOSURES for PCIe EDGE CARDS</b>	
7-Slot PCIe Gen3 Expansion Enclosures (without or with Integrated Power Management)	OGT-EP700, OGT-EP701
16-Slot PCIe Gen3 Expansion Enclosures (without or with Integrated Power Management)	OGT-EP160, OGT-EP161
32-Slot PCIe Gen3 Expansion Enclosures (without or with Integrated Power Management)	OGT-EP320, OGT-EP321

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