

A-Series PCIe Power Interposer Cards



OGT-AP100, OGT-AP101

The A-Series PCIe Power Interposer Cards are part of OakGate's add-on products that are supported with OakGate's software, appliances, and enclosures.

The PCIe power interposer card provides power control and measurement for a PCIe device that is attached to it. The device is typically a PCIe edge card, but with the proper adapter (SFF-8639 adapter), other types of devices can be attached as well.

The PCIe power interposer card resides in a PCIe backplane slot of a supported OakGate appliance or enclosure. There are two types of A-Series PCIe power interposer cards, which are based on the appliance or enclosure used with the NVMe/AHCI devices:

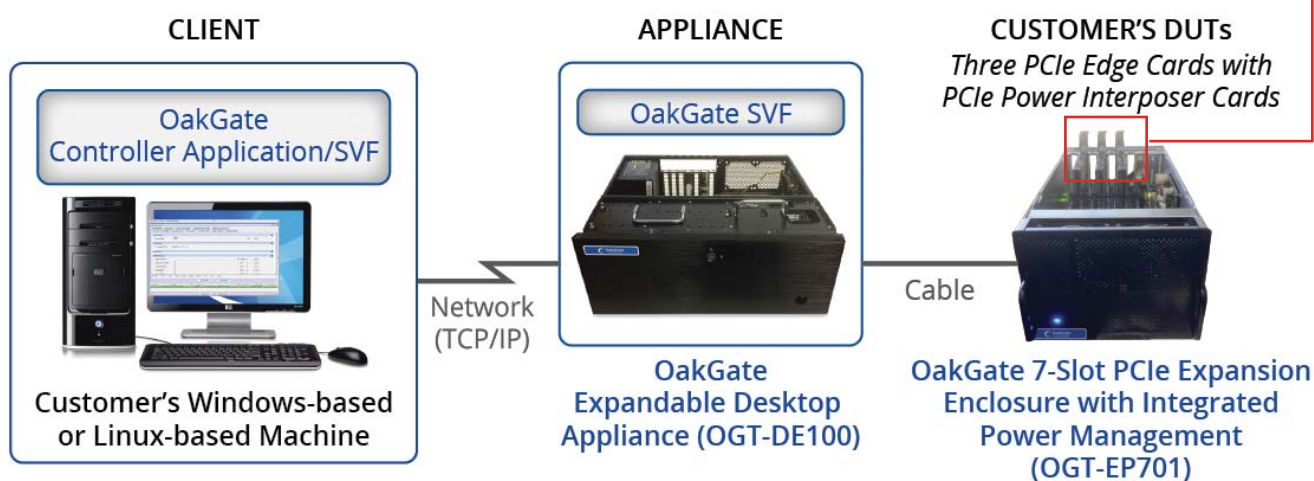
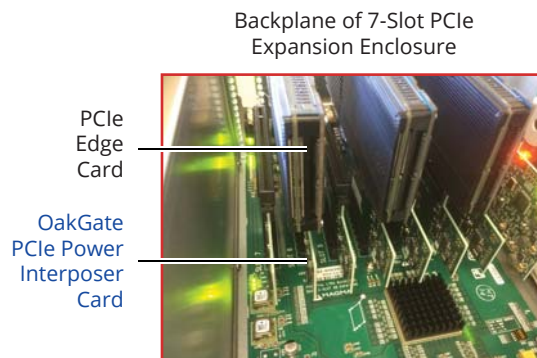
- PCIe Power Interposer Card for OakGate Appliances and 7-Slot PCIe Enclosure
- PCIe Power Interposer Card for 16/32-Slot PCIe Enclosure

PCIe Power Interposer Card for OakGate Appliances and 7-Slot PCIe Enclosure (OGT-AP100)	PCIe Power Interposer Card for 16/32-Slot PCIe Enclosure (OGT-AP101)
	
<p>Specifications</p> <ul style="list-style-type: none"> • Low profile form factor • PCIe Slot – x8 and x16 lane PCIe 3.0 • Dimensions – 7.5" W × 2.0" H 	<p>Specifications</p> <ul style="list-style-type: none"> • PCIe Slot – x8 lane PCIe 3.0 • Dimensions – 6.5" W × 1.75" H
<p>Peripheral Capabilities</p> <ul style="list-style-type: none"> • Power On/Off • Power Measurement 	<p>Peripheral Capabilities</p> <ul style="list-style-type: none"> • Power On/Off • Power Measurement
<p>Peripheral Controller Settings within Application</p> <ul style="list-style-type: none"> • Controller Type: <ul style="list-style-type: none"> ◦ In appliance: OakGate Interposer Controller ◦ In 7-Slot PCIe Enclosure: Magma Power Controller • IP address of the appliance or enclosure 	<p>Peripheral Controller Settings within Application</p> <ul style="list-style-type: none"> • Controller Type: Cheetah Power Controller • IP address of the 16/32-slot enclosure (Cheetah) • Canister number within the enclosure (1-4)
<p>Supported OakGate Appliances and Enclosures</p> <ul style="list-style-type: none"> • Expandable Desktop Appliance • 2U Rackmount Appliance • 3U Rackmount Appliance • 7-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management 	<p>Supported OakGate Appliances and Enclosures</p> <ul style="list-style-type: none"> • 16-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management • 32-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management

CONFIGURATION EXAMPLE

The photo on the right shows three PCIe edge cards attached to three PCIe power interposer cards that are installed in backplane slots 2, 4, and 6 of a 7-slot PCIe Gen3 expansion enclosure.

In the following configuration example, the client, with the OakGate controller application and SVF, directs the appliance. The appliance controls and measures power of the PCIe edge cards through a PCIe host expansion card in the appliance and the PCIe power interposer cards in the 7-slot PCIe Gen3 expansion enclosure.



ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL NUMBER
A-SERIES POWER INTERPOSER CARDS	
PCIe Power Interposer Card for OakGate Appliances and 7-Slot PCIe Enclosure	OGT-AP100
PCIe Power Interposer Card for 16/32-Slot PCIe Enclosures	OGT-AP101
COMPATIBLE D-SERIES and R-SERIES APPLIANCES	
Expandable Desktop Appliance	OGT-DE100
2U Rackmount Appliance	OGT-R200
3U Rackmount Appliance	OGT-3200
COMPATIBLE E-SERIES ENCLOSURES for PCIe EDGE CARDS	
7-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management	OGT-EP701
16-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management	OGT-EP161
32-Slot PCIe Gen3 Expansion Enclosure with Integrated Power Management	OGT-EP321

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