

Data Sheet

GigaTAP G Series

Product Description

The GigaTAP® G Series is a family of low profile passive fiber optic splitter TAPs which require no power source to operate. The GigaTAP G Series gives network operators the ability to passively monitor full duplex fiber optic links for a combination of multimode (mm) and or singlemode (sm), for 1Gb, 10Gb, 40Gb, and 100Gb connections. A combination of split ratios are available. Highly reliable construction ensures maximum link continuity.

G-TAP modules can be used as standalone TAPs. They can also be rack mounted when installed inside a metal chassis. A mix of different G-TAP modules may be installed.

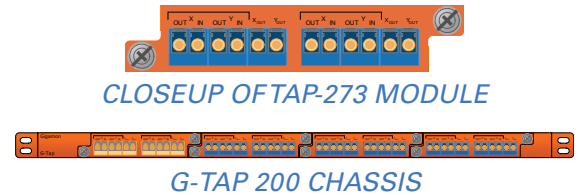


Table 1: Features

GigaTAP G Series Features	Benefits
Powerful Traffic Mirroring Capabilities	The G-TAP-G Series passively mirrors 100% of network traffic including errors, non-standard network traffic, and network packets that do not conform to established protocol standards enabling detailed analysis, security, and monitoring.
Completely Passive TAP	The GigaTAP G Series relies on passive full duplex fiber optic splitters, which results in non-point-of-failure operation. It requires no power source to operate.
GigaVUE® Integration	Easy integration with the full family of GigaVUE® Visibility Platform nodes for maximum flexibility. Connect the GigaTAP G Series to network ports on a GigaVUE visibility node to take advantage of powerful intelligent traffic filtering, aggregation, and modification offered through Visibility Platform architecture.

Table 2: Interface

GigaTAP G Series Interface	Benefits
Speed Duplex	Full duplex 100Gb, 40Gb, 10Gb, 1Gb, fiber links
Fiber Types	SM (9/125 micron) for 1310nm or 1550nm wavelength; MM (62.5/125 micron) for 850nm wavelength; LRM (62.5/125 micron) MM fiber operating at 1310nm wavelength and 10Gb
Connector Types	LC for all network and monitor ports

Table 3: Passive TAP Insertion Loss

Multimode Passive TAPs			
Split Ratio	50/50	60/40	70/30
Max Network Loss	3.9dB	3.15dB	2.2dB
Max Monitor Loss	3.9dB	5.15dB	6.2dB
Singlemode Passive TAPs			
Split Ratio	50/50	60/40	70/30
Max Network Loss	3.7dB	3.05dB	2.0dB
Max Monitor Loss	3.7dB	4.95dB	6.1dB

Table 4: Physical Weight & Dimensions

Feature	Height	Width	Depth	Weight
TAP 200 Chassis	0.87in (2.21cm)	16.8in (42.67cm)	6.31in (16.03cm)	Empty: 3lbs (1.41kg) Fully-loaded: 5lbs 2oz (2.82kg)

Table 5: Electrical Characteristics

Type	Specification
Power Requirements	Not Applicable; the G-TAP modules are completely passive
Recommended Split Ratios	50/50 for 10Gb; 70/30 for 1Gb and 100M
Link TAP Capacity	Each G-TAP and above module taps two (2) full duplex fiber links; up to four (4) G-TAP modules can be installed in a TAP-200 chassis to tap duplex up to eight (8) full duplex fiber links. Each BiDi TAP module taps a single bi-directional link and may be housed in either the 3 module TAP-500 chassis or the extended 14 module TAP-500E chassis.
Operating Temperature	32°F to 140°F (0°C to 60°C)
Operating Humidity	10% to 90%, relative, non-condensing
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Storage Humidity	10% to 90%, relative, non-condensing
Altitude	Up to 15,000ft (4.6km)

Table 6: Regulatory Compliance

Specification	GigaTAP G-TAP
Compliance and Safety	UL 60950-1; CSA C22.2 EN 60950-1; IEC-60950-1
RoHS Compliance	RoHS 6, EU directive 2002/95/EC

Support and Services

Gigamon offers a range of support and maintenance services. For details regarding Gigamon's Limited Warranty and its Product Support and Software Maintenance Programs, visit: www.gigamon.com/support-and-services/overview-and-benefits.

Table 7: Ordering Information

Part Number	Description
TAP-200	1/2 U chassis, supports 1,2,3,or 4 Dual Optical G-TAP Modules, stand alone chassis, 1/10G
TAP-252	Dual optical GigaTAP module, 50/50 Multimode, 850nm, 62.5/125 micron fiber, requires TAP-200 chassis, 1/10G
TAP-255	Dual optical GigaTAP module, 50/50 Multimode, 1310nm LRM, requires TAP-200 chassis, 10G (Special Order)
TAP-261	Dual optical GigaTAP module, 60/40 Multimode, 850nm, 50/125 micron fiber, requires TAP-200 chassis, 1/10G (Special Order)
TAP-262	Dual optical GigaTAP module, 60/40 Multimode, 850nm, 62.5/125 micron fiber, requires TAP-200 chassis, 1/10G (Special Order)
TAP-263	Dual optical GigaTAP module, 60/40 Singlemode, 1310/1550nm, requires TAP-200 chassis, 10G (Special Order)
TAP-272	Dual optical GigaTAP module, 70/30 Multimode, 850nm, 62.5/125 micron fiber, requires TAP-200 chassis, 1G, (nrf 10G)
TAP-275	Dual optical GigaTAP module, 70/30 Multimode, 1310nm LRM, requires TAP-200 chassis, 10G (Special Order)

For More Information

For more information about the Gigamon Visibility Platform or to contact your local representative, please visit: www.gigamon.com