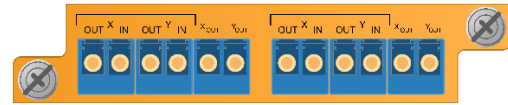


Product Description

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.

A separate G-TAP provides visibility to 40Gb bidirectional links that could not otherwise be tapped. This is specifically designed for Cisco BiDi infrastructures moving to lower-cost 40Gb. This module is housed in a separate set of chassis enclosures for flexibility and modularity.



CLOSEUP OF TAP-273 MODULE



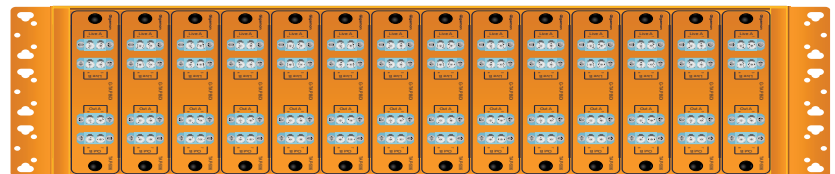
G-TAP 200 CHASSIS



CLOSEUP OF G-TAP 506 BiDi TAP MODULE



G-TAP 500 CHASSIS



G-TAP 500E CHASSIS

Table 1: Features and Benefits

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 Fabric [™] nodes for maximum flexibility. Connect the GigaTAP G Series to network ports on a GigaVUE fabric node to take advantage of powerful intelligent traffic filtering, aggregation, and modification offered through Visibility Fabric architecture

Table 2: Interface

Features	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	3.95dB	3.15dB	2.25dB
Max Monitor Loss	3.95dB	5.15dB	6.35dB
Singlemode Passive TAPs			
Split Ratio	50/50	60/40	70/30
Max Network Loss	3.85dB	3.05dB	2.15dB
Max Monitor Loss	3.85dB	4.95dB	6.15dB
Multimode Passive BiDi TAPs			
Split Ratio	50/50		
Max Network Loss	4.10dB		
Max Monitor Loss	4.10dB		

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)
TAP 500 Chassis	1.75in (4.44cm)	17in (43.18cm)	11.64in (29.57cm)	Empty: 6lbs 4oz (2.83kg) Fully-loaded: 8lbs 6oz (3.8kg)
TAP 500E Chassis (BiDi)	5.25in (13.35cm)	17in (43.18cm)	15in (38.10cm)	Empty: 11lbs 10oz (5.27kg) Fully-loaded: 16lbs 14oz (7.65kg)
Dual TAP Modules	0.76in (1.93cm)	3.42in (8.69cm)	6.55in (16.64cm)	Module: 11.5oz (326.02kg)
BiDi TAP Module	1.13in (2.88cm)	5.11in (13.00cm)	7.047in (17.90cm)	Module: 6oz (0.31kg)

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: Standards & Protocols

Type	Description
Standards and Protocols	IEEE 802.1Q VLAN, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-X, IEEE 802.3ae 10000BASE-X, RFC 783 TFTP, RFC 791 IP, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 768 UDP, RFC 792 ICMP, SNMP v1/v2c, RFC 2131 DHCP client, RFC 1492 TACACS+, support for IPv4 and IPv6.

Table 7: 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
Emissions	FCC Part 15, class A; VCCI class A; EN55022/CISPR-22 class A; Australia/New Zealand AS/NZS CISPR-22 class A; CE Mark EN 55022 class A
Immunity	ETSI EN300 386 V1,32, EN61000-4-2, EN 61000-4-3, 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-3-2

Table 8: Warranty

Part Number	Description
Hardware	Gigamon 5-Year Hardware Limited Warranty included with purchase
Software	Because GigaTAP G-TAPs are passive, we do not charge software support

Table 9: 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-251	Dual optical GigaTAP module, 50/50 Multimode, 850nm, 50/125 micron fiber, requires TAP-200 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-253	Dual optical GigaTAP module, 50/50 Singlemode, 1310/1550nm, 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-271	Dual optical GigaTAP module, 70/30 Multimode, 850nm, 50/125 micron fiber, requires TAP-200 chassis, 1G,(nrf 10G)
TAP-272	Dual optical GigaTAP module, 70/30 Multimode, 850nm, 62.5/125 micron fiber, requires TAP-200 chassis,1G, (nrf 10G)
TAP-273	Dual optical GigaTAP module, 70/30 Singlemode, 1310/1550nm, requires TAP-200 chassis, 1/10G (Special Order)
TAP-275	Dual optical GigaTAP module, 70/30 Multimode, 1310nm LRM, requires TAP-200 chassis,10G (Special Order)
TAP-453	Dual optical HighFlow GigaTAP module, 50/50 Singlemode, 1310/1550nm, requires TAP-200 chassis, 10/40/100G (Special Order)
TAP-500	1 RU BiDi TAP stand alone chassis, supports up to 3 BiDi modules
TAP-500E	3 RU BiDi TAP extended stand alone chassis, supports up to 14 BiDi modules
TAP-506	Optical G-TAP BiDi module, 50/50 SR, requires TAP-500 or TAP-500E chassis

For More Information

For more information about the Gigamon Visibility Fabric architecture or to contact your local representative, please visit:

www.gigamon.com