



CHASSIS

Product Description

G-TAP® is a family of low profile SM (single-mode), MM (multimode) and LRM (long-reach multimode) passive fiber optic splitter TAPs which require no power source to operate. The G-TAP gives network operators the ability to passively monitor full duplex fiber optic links at 10G and Gigabit speeds. Their highly reliable construction ensures maximum link continuity with no power loss interruption concerns.

*See ordering information below.

Table 1 : Interface

Features	Benefits
Speed Duplex	Full duplex 10G, 1G, 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 10G
Connector Types	LC for all network and monitor ports

Table 2 : G-TAP Physical Weight & Dimensions

Feature	Height	Width	Depth	Weight
Chassis	0.87" (2.21 cm.)	16.8" (42.67 cm.)	6.31" (16.03 cm.)	Empty: 3 lbs. (1.41 kg.) Fully-loaded: 6 lbs. (2.82 kg.)
All Module Types	0.76" (1.93 cm.)	3.42" (8.69 cm.)	6.55" (16.64 cm.)	Module: 11.5 oz. (326.02 g.)

Table 3 : Electrical Characteristics

Power Supply Type	Specification
Power Requirements	Not Applicable. The G-TAP modules are completely passive
Recommended Split Ratios	50/50 for 10G; 70/30 for 1G and 100M
Link Tap Capacity	Each G-TAP 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 up to eight (8) full duplex fiber links.
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)
Compliance	Fully RoHS compliant

Deployment

G-TAP modules can be used as standalone TAPs. They can also be rack mounted when installed inside the 1/2U, 19-inch wide TAP-200 metal chassis. A mix of different G-TAP modules may be installed.

G-TAP Ordering Information

Table 6 : Ordering Information

Part Number	Description
TAP-200	4-bay, 1/2U rack mount chassis, Designed for EIA 19-inch racks (or wider). Will also fit ETSI and WECO racks.
TAP-251	Dual optical TAP, 50/50 MM, 850nm, 50/125 micron, Split ratio: 50/50, multimode fiber. Network-port insertion loss: 4.5 dB max. Monitor-port insertion loss: 4.5 dB max.
TAP-252	Dual optical TAP, 50/50 MM, 850nm, Split ratio: 50/50, multimode fiber. Network-port insertion loss: 4.5 dB max. Monitor-port insertion loss: 4.5 dB max.
TAP-253	Dual optical TAP, 50/50 SM, 1310/1550nm, Split ratio: 50/50, singlemode fiber. Network-port insertion loss: 4.5 dB max. Monitor-port insertion loss: 4.5 dB max.
TAP-255	Dual optical TAP, 50/50 MM, 1310nm LRM, Split ratio: 50/50, multimode fiber. Network-port insertion loss: 4.5 dB max. Monitor-port insertion loss: 4.5 dB max.
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 TAP, 70/30 MM, 850nm, 50/125 micron, Split ratio: 70/30, multimode fiber. Network-port insertion loss: 2.4 dB max. Monitor-port insertion loss: 6.3 dB max.
TAP-272	Dual optical TAP, 70/30 MM, 850nm, Split ratio: 70/30, multimode fiber. Network-port insertion loss: 2.4 dB max. Monitor-port insertion loss: 6.3 dB max.
TAP-273	Dual optical TAP, 70/30 SM, 1310/1550nm, Split ratio: 70/30, singlemode fiber. Network port insertion loss: 2.4 dB max. Monitor port insertion loss: 6.3 dB max.
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)