Garlandtechnology.com

GARLAND TECHNOLOGY

See every bit, byte, and packet®

Have Questions ?

Email sales@garlandtechnology.com
Call +1 716.242.8500
Visit garlandtechnology.com

Join The Conversation

10Gigabit Modular Bypass TAPs

Garland Technology Modular Bypass TAPs offer a safe way to install active in-line appliances into your network without adding a point of failure. Configure your M10G TAPs as required and add TAPs to your chassis as your visibility needs increase. House up to 4 TAPs in a 1U chassis, program your TAP locally or remotely, and enjoy unmitigated access to your network.

Within a single 1U chassis, you can:

Convert your 10G fiber media to use with your appliances

Monitor (x4) in-line appliances with failover assurance

Guarantee 100% network uptime with heartbeat packets

Learn more about high-speed bypass TAPs and heartbeat packets at garlandtechnology.com.

High-Speed Bypass TAPs

1U chassis supports up to 4 10 Gigabit bypass TAPs

Chassis has dual AC hot swappable power supplies

TAPs support breakout, aggregation, regeneration and bypass modes

TAPs are remotely configurable

Network ports available in single-mode (LR, ER) and multi-mode (SR)

Monitoring ports are SFP+ cages, allowing for versatility

Supports heartbeat packets for failover security and network uptime

Use with SFP+ transceivers

Key Features

- 10G Bypass TAP
- Breakout TAP Mode
- Aggregation TAP Mode
- Regeneration TAP Mode
- Bypass TAP Mode
- Chassis supports 4 TAPs in a 1U space
- Supports Jumbo Frames
- Supports Link Failure Propagation (LFP)
- 100% Secure - No MAC/IP address
- Supports Packet Injection when in Aggregation Mode
- Supports bi-directional heartbeats
- Heartbeats are configurable
- Supports TACACS+ Authorization
- Supports SNMP and Syslog

10Gigabit Modular Bypass TAPs

Have Questions ?

Email sales@garlandtechnology.com
Call +1 716.242.8500
Visit garlandtechnology.com

Tech Specs

Mechanical				
Unit Type:	1U Chassis M10G1(AC/DC)v2	10Gigabit-SR Bypass TAP M10GMSBPv2	10Gigabit-LR Bypass TAP M10GSSBPv2	10Gigabit-ER Bypass TAP M10GESBPv2
Copper Network Ports:	N/A			
Fiber Network Ports:	N/A	(x2) multi-mode SR 50 micron	(x2) single-mode LR fiber	(x2) single-mode LR fiber
SFP Ports:	N/A	(x2)	(x2)	(x2)
Dimensions (WxHxD):	16.75" x 1.75" x 20.75" (425.45mm x 44.45mm x 527.05mm)	6.822" x 0.787" x 6.73" (173.3mm x 164.9mm x 20 mm)		
Environmental				
Ambient Temperature:	0C to +50C / +32F to +122F	0C to +40C / +32F to +104F		
Storage Temperature:	-20C to +70C / -4F to +158F			
Humidity:	90% non-condensing			
Data				
Rates:	N/A	10 Gbps	10 Gbps	10 Gbps
Types:		10 GigE Base-SR	10 GigE Base-LR	10 GigE Base-ER
Output Transmit Power:		Typical: -2.6 dBm Minimum: -3 dBm	N/A	Typical: -2.6 dBm Minimum: -4 dBm
Optical Receive Sensitivity:		Typical: -18.7 dBm Minimum: -14.1 dBm	N/A	Typical: -18.7 dBm Minimum: -14.1 dBm
Insertion Loss (Normal)		Typical: 0.8 dB Minimum: 1.9 dB	Typical: 1.2 dB Maximum: 1.6dB	Typical: 0.9 dB Minimum: 1.9 dB
Insertion Loss (Bypass)		Typical: 0.8 dB Minimum: 1.9 dB	Typical: 1.2 dB Maximum: 1.6dB	Typical: 0.9 dB Minimum: 1.9 dB
Distance:		137m at 62.5 um	5000m at 9 um	20000m at 9 um
Power				
Voltage:	85 - 264 Volts AC 36 - 72 Volts DC	12 Volts	12 Volts	12 Volts
Current (nominal):	.4 amps @125 Volts AC 1 amp @ 48 Volts DC	2 amps	2 amps	2 amps

Ordering Information

Model #	Description
M10GMSBPv2	10Gigabit-SR Bypass TAP Module (x2) multi-mode SR 50 micron LC fiber network ports (x2) SFP+ cages
M10GSSBPv2	10Gigabit-LR Bypass TAP Module (x2) multi-mode LR LC fiber network ports (x2) SFP+ cages
M10GESBPv2	10Gigabit-ER Bypass TAP Module (x2) multi-mode ER LC fiber network ports (x2) SFP+ cages
M10G1ACv2	1U 10Gigabit chassis Supports up to (x4) M10GxxBPv2 Bypass TAPs Dual AC Power supplies
M10G1DCv2	1U 10Gigabit chassis Supports up to (x4) M10GxxBPv2 Bypass TAPs Dual DC Power supplies

GARLAND TECHNOLOGY

See every bit, byte, and packet®