

# UniversalTAP™: 1G Modular Aggregator

1G | 1U/2U | Aggregation, Breakout, Regen and Bypass



Network test access points (TAPs) are hardware tools that allow you to access and monitor your network. TAPs are purpose-built hardware devices that let you see every bit, byte and packet.®

Aggregator TAPs are used to capture 100% full duplex traffic that can then be sent to multiple monitoring appliances to analyze your network.

The Universal functionality on this TAP supports aggregation, regeneration/SPAN, tap breakout and bypass modes, allowing you to fully deploy and manage your monitoring and security appliances and guarantee network uptime.

## Key Features

### Scalable Modular TAPs System:

- 2U holds up to 12 TAPs
- 1U holds up to 4 TAPs

### Management and Non-Management options:

- Management: CLI/GUI/SSH/HTTP/Telnet
- Non-management chassis available; (management card can be added at later date) Dual

internal AC or DC power supplies

- TAP modules are hot swappable, fully configurable and interchangeable Accommodates GT legacy modular TAPs

Network Failsafe recognizes power outages and automatically closes the relay circuitry in less than 8 milliseconds, then reconnects the two network devices connected to Ports A & B.

Supports jumbo frames and passes physical errors.

Packet slicing and packet injection (aggregate mode for copper network port TAPs).

100% secure and invisible; no IP address, no MAC address; cannot be hacked

- Made, tested and certified in USA

### APPLICATIONS:

- Remote Management
- High density data center design.
- Network efficiency
- Media Conversion for 1G networks

### SOLUTIONS:

#### Aggregation / Regeneration

Port mapping between multiple TAPs and ports for aggregation, regeneration or filtering. Aggregate data to a single link or regenerate the traffic up to 4 links for 1U or up to 12 links for 2U.

Multiple analyzers and security tools see and share the same data, which reduces the number of ports required by the monitoring tools and security devices.

#### Media Conversion

Converting media allows you to use monitoring tools that you already have or use monitoring tools that cost less.

- Fiber (SX, LX, ZX) to copper (TX)
- Copper (TX) to fiber (SX, LX, ZX)
- Short range fiber (SX) to long range fiber (LX or ZX).

### Competitive Edge

- Flexible design - accommodates any 1G network scenario
- Scalable design - add modules as needed
- Remote management with Ethernet GUI (optional)



### Have Questions?

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Chassis options						
Model #	Chassis/TAPs*	Power Supplies	Voltage	Current (nominal)	Consumption (maximum)	Dimensions (WxHxD)
M1G1ACE	1U; up to 4 TAPs	Dual Internal AC	100-240VAC	0.75A@115VAC	86.25 Watts	17.40" x 1.75" x 13.45" (441.96mm x 44.45mm x 341.63mm)
M1G1DCE	1U; up to 4 TAPs	Dual Internal DC	36-60VDC	1A@48VDC	48 Watts	
M1G2ACE	2U; up to 12 TAPs	Dual Internal AC	100-240VAC	1A@115VAC	115 Watts	17.40" x 3.47" x 13.45" (441.96mm x 88.14mm x 341.63mm)
M1G2DCE	2U; up to 12 TAPs	Dual Internal DC	36-60VDC	2.8A@48VDC	134.4 Watts	
M1GC*	Management card: Ethernet/GUI - and - Serial/CLI for M1GxxxE					

\*Blanking plates (Model #: Tray-BG) are used if management card is not required or if not all TAP modules are populated. Management card and additional GT TAP modules can be added to chassis.

Aggregation TAP options										
Model #	Network Speed	Media		Modes					Packet Injection Support	Packet Slicing
		Network	Monitor	Breakout	Aggregation	Regeneration/SPAN	Filtering	Bypass		
M1GCCBP	100/1000M	2 Copper-RJ45	2 Copper-RJ45	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GCSBP	100/1000M	2 Copper-RJ45	2 SFP	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GMCA	1G	2 SX Multi-mode, passive LC-Fiber	2 Copper-RJ45	Yes	Yes	Yes	No	No	No	Yes
M1GMSA	1G	2 SX Multi-mode, passive LC-Fiber	2 SFP	Yes	Yes	Yes	No	No	No	Yes
M1GSCA	1G	2 LX Single-mode, passive LC-Fiber	2 Copper-RJ45	Yes	Yes	Yes	No	No	No	Yes
M1GSSA	1G	2 LX Single-mode, passive LC-Fiber	2 SFP	Yes	Yes	Yes	No	No	No	Yes

Breakout TAP options									
Model #	Network Speed	Media		Modes					Features
		Network	Monitor	Breakout	Aggregation	Regeneration/SPAN	Filtering	Bypass	
M100CCB*	10/100M	2 Copper-RJ45, passive	2 Copper-RJ45	Yes	No	No	No	No	Passive
M1GCCB	10/100/1000M	2 Copper-RJ45	2 Copper-RJ45	Yes	No	No	No	No	Link Synch with Fail Safe

\*Supports Power over Ethernet (POE)

Bypass TAP options										
Model #	Network Speed	Media		Modes					Packet Injection Support	Packet Slicing
		Network	Monitor	Breakout	Aggregation	Regeneration/SPAN	Filtering	Bypass		
M1GCCBP	100/1000M	2 Copper-RJ45	2 Copper-RJ45	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GCSBP	100/1000M	2 Copper-RJ45	2 SFP	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GMCBP	1G	2 SX Multi-mode, passive LC-Fiber	2 Copper-RJ45	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GMSBP	1G	2 SX Multi-mode, passive LC-Fiber	2 SFP	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GSCBP	1G	2 LX Single-mode, passive LC-Fiber	2 Copper-RJ45	Yes	Yes	Yes	No	Yes	Yes	Yes
M1GSSBP	1G	2 LX Single-mode, passive LC-Fiber	2 SFP	Yes	Yes	Yes	No	Yes	Yes	Yes



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