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TECHNOLOGY
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# Bypass Modular Network TAP 10G System
## 10G  |  1U Chassis  |  Scalable design with media conversion

**APPLICATIONS:**

❯ Media conversion for fiber, SR, LR, and ER.

❯ Monitor 4 in-line appliance with fail over assurance.

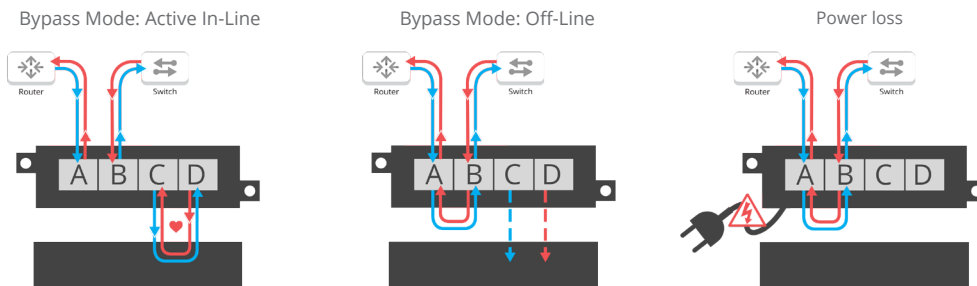❯ Supports breakout, aggregation, regeneration, and bypass modes.

Network test access points (TAPs) are hardware tools that allow you to monitor and access your network. Bypass TAPs (active TAPs) are typically used with in-line security appliances such as next generation firewalls and intrusion prevention systems.  All bypass TAPs are purpose-built hardware devices that let you see every bit, byte and packet.®

Bypass TAPs are used to connect a monitored network segment to an in-line active appliance and monitor the appliance's health. If your appliance goes off line for any reason the Bypass TAP will automatically switch to 'bypass mode' keeping your network up while you to resolve the issue.

**SOLUTIONS:**

10G Bypass TAPs are ideal for:

Next-Generation Firewalls
NGFW

Data Leakage Prevention
DLP

Intrusion Prevention System
IPS

Web Application Firewall
WAF

Distributed Denial of Service Appliances
DDoS

Security Information and Event Management (SIEM)
SIEM

## Key Features

• Securely TAP a 10G circuit and convert to SR, LR and ER.

• Take your appliance off line without interrupting data traffic for: updates, maintenance and troubleshooting.

• Guarantee 100% production circuit uptime with appliance heartbeat and dual internal power supplies.

• House up to (4) TAPs in a 1U chassis.

• Configure and manage remotely or locally.

• Support for packet injection, jumbo frames, link failure propagation with TACACS, SNMP and Syslog.

• TAP modules are field upgradeable.

• Made, tested and certified in USA.

• 100% secure and invisible; no IP address; no Mac address; cannot be hacked.

**Competitive Edge**

• Guarantee network uptime for 4 in-line appliances with fail over and dual internal power supplies

• Convert 10G fiber media

• Bypass TAP Invented by Jerry Dillard, CTO and Co-Founder

• Tested and Certified

TESTED
CERTIFIED
GUARANTEED

## Network Flow

Bypass Mode: Active In-Line

Bypass Mode: Off-Line

Power loss

Router    Switch

Router    Switch

Router    Switch

A B C D

A B C D

A B C D

**Have Questions?**

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# Bypass Modular Network TAP 10G System

| Chassis System | | | | | | |
|---|---|---|---|---|---|---|
| **Model #** | **Description** | | | | | |
| **M10G1ACv2** | 10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal AC power supplies. Voltage: 85 - 264 Volts, 100 Watt total power consumption with 4 TAPs | | | | | |
| **M10G1DCv2** | 10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal DC power supplies. Voltage: 36 - 72 Volts; 100 Watt total power consumption with 4 TAPs | | | | | |

| Model # | Network Speed | Bypass TAP Module | Media | | Modes | | | |
|---|---|---|---|---|---|---|---|---|
| | | | **Network** | **Monitor** | **Breakout** | **Aggregation** | **Regeneration/ SPAN** | **Bypass** |
| **M10GMSBPv2** | 10G | SR Multi-mode Fiber | 2 SR Multi-mode, LC-Fiber | 2 SFP+ Cages | Yes | Yes | Yes | Yes |
| **M10GSSBPv2** | 10G | LR Single mode Fiber | 2 LR Single mode LC-Fiber | 2 SFP+ Cages | Yes | Yes | Yes | Yes |
| **M10GESBPv2** | 10G | ER Single mode Fiber | 2 ER Single mode LC-Fiber | 2 SFP+ Cages | Yes | Yes | Yes | Yes |

*Theortical distance - defined as half a distance as stated by the IEEE 802.3 standard.*

### Available Pluggables & Cables:

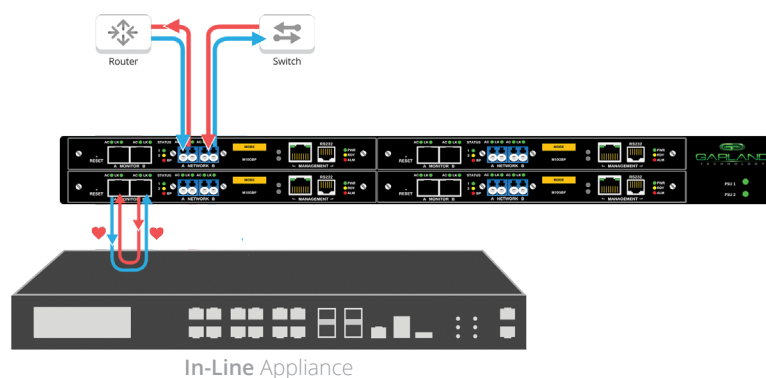| Model # | Description |
|---|---|
| **SFPTX** | SFP 10/100/1000 Copper RJ-45 Connector |
| **SFPSX** | SFP 1000Base-SX Multi-Mode Fiber LC Connector |
| **SFPLX** | SFP 1000Base-LX Single Mode Fiber LC Connector |
| **SFP+SR** | SFP+ Dual Speed 1 Gigabit-SX / 10 Gigabit-SR Multi-Mode Fiber LC Connector |
| **SFP+LR** | SFP+ Dual Speed 1 Gigabit-LX / 10 Gigabit-LR Single Mode Fiber LC Connector |
| **SFP+ER** | SFP+ 10Gigabit-ER Single-Mode Fiber LC Connector |
| **SFP+SR10** | SFP+ 10Gigabit-SR Multi-Mode Fiber LC Connector - only supports 10G |
| **SFP+LR10** | SFP+ 10Gigabit-LR Multi-Mode Fiber LC Connector - only supports 10G |
| **TWINAX1M\*** | Twinax Copper Direct Connect Cable SFP+ 10Gigabit 1 Meter |

*Also available in 5 and 10 meters.

## Additional Chassis Specifications

**Power Consumption:** 100w (for 4 TAPs)
**Operating Temp.:** 0C to -50C / +32F to +122F

**Operating Humidity:** 90% non-condensing
**Chassis Dimensions:** 1.75"H x 17.50"W x 13.50"D
(44.45 mm H x 444.5mm W x 342.9mm D)

## Use Case



In-Line Appliance

See every bit, byte, and packet®

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