**UniversalTAP™: 10G Modular Aggregator**

10G | 1U Chassis | Aggregation, Breakout, Regen and Bypass

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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**

- UniversalTAPs are fully configurable and support aggregation, breakout, regeneration/SPAN, bypass modes.
- Securely TAP a 10G circuit and convert to SR, LR and ER.
- Monitor four inline appliances with fail over assurance.
- 1U chassis system supports up to 4 TAPs.
- Configure and manage remotely or locally.
- Hot swappable TAP modules.
- Supports jumbo frames, packet injection, link failure propagation (LFP).
- Breakout Mode: Heartbeat packets are sent out of each monitoring port. If the heartbeat packets are not received from either direction then Bypass mode takes effect. Heartbeat packets are never sent on the live network.
- 100% secure and invisible; no IP address, no MAC address; cannot be hacked.
- Made, tested and certified in USA.

**Network Flow**

- **Aggregation Mode**
  - Supports jumbo frames, packet injection, link failure propagation (LFP).
- **TAP “Breakout” Mode**
  - Breakout Mode: Heartbeat packets are sent out of each monitoring port. If the heartbeat packets are not received from either direction then Bypass mode takes effect. Heartbeat packets are never sent on the live network.
- **Regeneration/SPAN Mode**
  - 100% secure and invisible; no IP address, no MAC address; cannot be hacked.
- **Bypass Mode**
  - Made, tested and certified in USA.

**APPLICATIONS:**

- Media conversion for fiber, SR, LR, and ER.
- Breakout mode: Use for full utilization to capture 100% traffic.
- Aggregation mode: Capture 100% full duplex traffic for multiple monitoring appliances.
- Regeneration/SPAN mode: Replicate network traffic up to three ports.
- Bypass mode: Monitors the health of inline appliances and bypasses the inline appliance if it goes offline for any reason.

**SOLUTIONS:**

- 10G Aggregator TAPs are ideal for:
  - NGFW
  - WAF
  - IPS
  - DLP
  - DDoS
  - SEM

**Competitive Edge**

- Universal TAPs support breakout, aggregation, regeneration/SPAN, bypass modes.
- Convert 10G fiber media.
- Tested and Certified

**Have Questions?**

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## 10G | 1U Chassis | Aggregation, Breakout, Regen and Bypass

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M10G1ACv2</td>
<td>10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal AC power supplies. Voltage: 90 - 264 Volts</td>
</tr>
<tr>
<td>M10G1DCv2</td>
<td>10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal DC power supplies. Voltage: 36 - 75 Volts</td>
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</tbody>
</table>

### Chassis System

<table>
<thead>
<tr>
<th>Model #</th>
<th>Network Speed</th>
<th>Bypass TAP Module</th>
<th>Media</th>
<th>Modes</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>M10GMSBPv2</td>
<td>10G</td>
<td>SR Multimode Fiber</td>
<td>2 SR Multimode, LC-Fiber</td>
<td>Breakout</td>
<td>Fiber Distance*</td>
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<tr>
<td>M10GSSBPv2</td>
<td>10G</td>
<td>LR Single mode Fiber</td>
<td>2 LR Single mode LC-Fiber</td>
<td>Breakout</td>
<td>Fiber Distance*</td>
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<tr>
<td>M10GESBPv2</td>
<td>10G</td>
<td>ER Single mode Fiber</td>
<td>2 ER Single mode LC-Fiber</td>
<td>Breakout</td>
<td>Fiber Distance*</td>
</tr>
</tbody>
</table>

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

### Additional Chassis Specifications

- **Power Consumption:** 160w (for 4 TAPs)
- **Operating Temp.:** 0°C to -50°C / +32°F to +122°F
- **Operating Humidity:** 90% non-condensing
- **Chassis Dimensions (HxWxD):** 1.75” x 17.50” x 13.50” (44.45 mm x 444.5mm x 342.9mm)

### Use Cases

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