XtraTAP™: All-In-1 Modular

1G  |  1U/2U  |  Filtering, Breakout, Aggregation and Regen  |  Remote Management

Key Features

- **Scalable Modular TAPs System:**
  - 2U holds up to 12 TAPs - backplane filtering within TAP row
  - 1U holds up to 4 TAPs - backplane filtering between TAPs and port

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

- **Port Mapping:** filter allows granular selection of network traffic at layers 2, 3 and 4 of the packet to provide monitoring tools only the traffic they are designed (or intended) to inspect.

- **Multi-Tier Filtering Supports:** MAC, VLAN, IP, DSCP, TCP, UDP

- **SNMP V2c/V3**

- **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 (aggregation mode for copper 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; only filter the packets required.
- 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)
- Highest density 1G integrated TAP packet broker on the market

Have Questions?

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## Chassis options

<table>
<thead>
<tr>
<th>Model #</th>
<th>Chassis/TAPs*</th>
<th>Power Supplies</th>
<th>Voltage</th>
<th>Current (nominal)</th>
<th>Consumption (maximum)</th>
<th>Dimensions (WxHxD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1G1ACE</td>
<td>1U; up to 4 TAPs</td>
<td>Dual Internal AC</td>
<td>100-240VAC</td>
<td>0.75A@115VAC</td>
<td>86.25 Watts</td>
<td>17.40&quot; x 1.75&quot; x 13.45&quot;</td>
</tr>
<tr>
<td>M1G1DCE</td>
<td>1U; up to 4 TAPs</td>
<td>Dual Internal DC</td>
<td>36-60VDC</td>
<td>1A@48VDC</td>
<td>48 Watts</td>
<td>17.40&quot; x 3.47&quot; x 13.45&quot;</td>
</tr>
<tr>
<td>M1G2ACE</td>
<td>2U; up to 12 TAPs</td>
<td>Dual Internal AC</td>
<td>100-240VAC</td>
<td>1A@115VAC</td>
<td>115 Watts</td>
<td>17.40&quot; x 3.47&quot; x 13.45&quot;</td>
</tr>
<tr>
<td>M1G2DCE</td>
<td>2U; up to 12 TAPs</td>
<td>Dual Internal DC</td>
<td>36-60VDC</td>
<td>2.8A@48VDC</td>
<td>134.4 Watts</td>
<td>17.40&quot; x 3.47&quot; x 13.45&quot;</td>
</tr>
</tbody>
</table>

*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.

## Filtering TAP options

<table>
<thead>
<tr>
<th>Model #</th>
<th>Network Speed</th>
<th>Media</th>
<th>Modes</th>
<th>Link Speed Synchronization</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1GCCF</td>
<td>10/100/1000M</td>
<td>2 Copper-RJ45</td>
<td>Breakout, Aggregation, Regeneration/SPAN, Filtering</td>
<td>Synchronization</td>
</tr>
<tr>
<td>M1GCSF</td>
<td>10/100/1000M</td>
<td>2 Copper-RJ45</td>
<td>SFP</td>
<td>Synchronization</td>
</tr>
<tr>
<td>M1GMCF</td>
<td>1G</td>
<td>2 SX Multi-mode, passive LC-Fiber</td>
<td>Copper-RJ45</td>
<td>Yes, Synchronization</td>
</tr>
<tr>
<td>M1GMSF</td>
<td>1G</td>
<td>2 SX Multi-mode, passive LC-Fiber</td>
<td>SFP</td>
<td>Yes, Synchronization</td>
</tr>
<tr>
<td>M1GSCF</td>
<td>1G</td>
<td>2 LX Single-mode, passive LC-Fiber</td>
<td>Copper-RJ45</td>
<td>Yes, Synchronization</td>
</tr>
<tr>
<td>M1GSSF</td>
<td>1G</td>
<td>2 LX Single-mode, passive LC-Fiber</td>
<td>SFP</td>
<td>Yes, Synchronization</td>
</tr>
</tbody>
</table>

## Breakout TAP options

<table>
<thead>
<tr>
<th>Model #</th>
<th>Network Speed</th>
<th>Media</th>
<th>Modes</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>M100CCB*</td>
<td>10/100M</td>
<td>2 Copper-RJ45, passive</td>
<td>Copper-RJ45</td>
<td>No, Passive</td>
</tr>
<tr>
<td>M1GCCB</td>
<td>10/100/1000M</td>
<td>2 Copper-RJ45</td>
<td>Copper-RJ45</td>
<td>No, Link Synch with Fail Safe</td>
</tr>
</tbody>
</table>

*Supports Power over Ethernet (POE)
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### Network Flow

- **TAP Mode “Breakout”**
- **Aggregation Mode**
- **Regeneration/SPAN Mode**

### Use Case

**Out of Band Monitoring Solution with 1U - 4 TAP Modules; supports 1Gbps**

TAP 1 is in breakout mode delivering 100% packet capture for Lawful Intercept purposes, TAP 2 is aggregating network traffic to Wireshark and Forensic tools, TAP 3 is for future media conversion needs, and TAP 4 supports backplane filtering and aggregation from 4-TAP links to one Forensics tool.

Supports Media Conversion: Fiber (SX, LX, ZX) to Copper (TX), to Fiber (SX, LX, ZX) and fiber short range (SX) to long range (LX or ZX).

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