External PowerSafe TAP 3296

Flexible, Low Cost Active Inline Bypass for nGenius 5000 Series Packet Flow Switch

Product Description
The External PowerSafe TAP (EPT) 3296 is a low-cost, flexible solution to provide active inline security, with bypass protection to guard against power failure.

The EPT supports a wide variety of network links, connected to a nGenius 5000 series packet flow switch. Management, power and heartbeat are maintained via USB cable to the nGenius 5000 series. Management is done via the PFOS management software on the nGenius 5000, seamlessly integrated with all other PFOS functions.

External PowerSafe TAP 3296 Modules:

<table>
<thead>
<tr>
<th>Network Link</th>
<th>Type</th>
<th>Connector</th>
<th>Segments per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>1G</td>
<td>Copper</td>
<td>RJ45</td>
<td>2</td>
</tr>
<tr>
<td>1/10G</td>
<td>Copper</td>
<td>RJ45</td>
<td>2</td>
</tr>
<tr>
<td>1/10/40/100G</td>
<td>SM LX/LR/LR4</td>
<td>LC</td>
<td>2</td>
</tr>
<tr>
<td>1/10G</td>
<td>MM 50µm SX/SR</td>
<td>LC</td>
<td>2</td>
</tr>
<tr>
<td>1/10G</td>
<td>MM 62.5µm SX/SR</td>
<td>LC</td>
<td>2</td>
</tr>
<tr>
<td>40/100G</td>
<td>MM SR4</td>
<td>MPO</td>
<td>1</td>
</tr>
</tbody>
</table>
**Bypass Segment**
A full bypass segment comprises two network ports and two appliance ports. Type of ports varies by module.

**Normal Active Mode**
In normal active mode, traffic from one side of the network is forwarded to the nGenius 5000 series and from there to the inline tool(s), then back through the packet flow switch to the other side of the network.

**Bypass Mode**
In case of loss of heartbeat or EPT/PFS 5000 power failure, a segment configured as “Poweroff Mode = Bypass” (fail open) will cause traffic to bypass the PFS 5000 and continue on the network.

This is also the behavior of a segment with Manual Mode = Bypass.

**Forward Mode**
In case of loss of heartbeat or EPT/PFS 5000 power failure, a segment configured as “Poweroff Mode = Forward” will cause traffic to continue to be forwarded to the PFS 5000, just as normal active mode. However, the effective result depends on the nature of the failure. If the heartbeat or EPT power has failed (for example, due to USB cable removal), but PFS 5000 is still running, then traffic will continue to flow as per normal active mode. However, if the PFS 5000 has failed, then the system will behave as “fail-closed”, and all traffic will be halted.

This is also the behavior of a segment with Manual Mode = Forward.
SPECIFICATIONS

Height 1.75in (44.5mm)
Length 10.07in (256.0mm)
Width 17.33in (440.0mm)
Weight 8.8lb (3.99kg), fully configured
Operating temp 32-104°F (0-40°C)
Operating Humidity 5-95% RH, non-condensing
BTU/Hr 8.53
Fan-less Passive cooling
Altitude 15,000 ft (4572m)
Max Power 2.5 Watts
DC 5V DC USB

SKU

3296-MN External PowerSafe TAP 3296 Chassis, USB power, up to 4 modules (not included)
3296-SG-1TX-2B External PowerSafe TAP 3296 Module, 1G Copper, RJ45 CAT5e, 2 segments
3296-SG-10TX-2B External PowerSafe TAP 3296 Module, 10G/1G Copper, RJ45 CAT6a, 2 segments
3296-SG-SM-2B External PowerSafe TAP 3296 Module, 1G/10G/40G/100G SM LC, 2 segments
3296-SG-MM-2B External PowerSafe TAP 3296 Module, 1G/10G 50um MM SX/SR LC, 2 segments
3296-SG-MM5-2B External PowerSafe TAP 3296 Module, 1G/10G 62.5um MM SX/SR LC, 2 segments
3296-SG-MMPO-2B External PowerSafe TAP 3296 Module, 40G/100G MM SR4 MPO, 1 segment

Safety

- UL/CSA 60950-1, EN 60950-1, IEC 60950-1
- CB Scheme will all country differences

Certifications

- North America (NRTL)
- European union (EU)
- VCCI (Japan)
- 2014/35/EU Low Voltage Directive
- 2014/30/EU EMC Directive
- 2011/65/EU RoHS Directive
- 2012/19/EU WEEE Directive

NETSCOUT offers sales, support, and services in over 32 countries. Global addresses, and international numbers are listed on the NETSCOUT website at: www.netscout.com/company/contact-us