400GBIT SR8 TAP 2 & 4 LINK

DATA SHEET

Network TAPs
At a glance

Definition

A network TAP (Test Access Point) is an external monitoring device that mirrors the traffic that passes between two network nodes to a number of monitor ports. A TAP is a hardware device inserted at a specific point in the network to monitor data.

Advantages of a 400Gbit SR8 TAP

- Full transparency
- Designed for high speed and lossless packet handling
- Every device comes with a measurement protocol for every link. One TAP has $1/3$ U form factor (three different TAPs can be mounted in 1U)
- Non-disruptive and fully transparent
- No power supply needed and does not have an IP address, providing safety from remote attacks
- Passive optical TAPs do not modify or affect traffic in any way. They pass exact copies of all frames/packets including errors.
- Cost-effective with high ROI
- Blanking plate available to prevent passage of cold air.

Product Overview

Cubro's 400Gbit SR8 TAP is a passive fibre breakout TAP that makes an identical copy of your network's data, allowing your monitoring tools to see every bit, byte and packet.

It is suited for 400G SR8. The TAP is available in 2 Link and 4 Link versions.

The TAP is connected inline with the 16-fibre MPO link. The MPO monitor ports feed a copy of the traffic on the link to a set of transceivers on a Cubro 400G Network Packet Broker for further packet processing like aggregation, filtering, load-balacing or deduplication.

The small form of the TAP allows to combine up to three different TAPs in a single RU.

Functions / Benefits

- Completely transparent and passive to see 100% of network traffic including errors and non standard network traffic.
- These TAPs rely on passive full duplex fiber optic splitters, which results in non-point-of- failure operation. It requires no power source to operate.
- The MPO TAPs are compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection systems.
- Splitting ratio of 50:50 to make optimal use of available optical budget.

Product Capabilities / Features

Link	400G SR8 2 & 4 Link Versions
Jumbo Frame Support	The TAP is a passive device and can handle every size of frame.
Link Fault Propogation	Due to its fully passive design the TAP is fully transparent to any faults. Thus, if one network side fails, the second link side will also fail without any delay. Re-routing within the network can be initiated within shortest possible time.
Dual Monitor Output	Each link has two monitoring outputs - one for westbound traffic and one for eastbound traffic.
Easy use and operation	Easy operation and installation No PC or software necessary No bugs, no software Updates mean more time for your business
LINKSAVE Function	No switching mechanism is included, the link is always connected. The TAP cannot lose any traffic on the link, even if the monitoring ports get damaged or destroyed or in case of a power failure.
Rugged 19" housing	The TAP features a rugged 19" 1/3RU housing with precise connector labelling on the front panel.

Ordering Information

Product Type & Number	Description
CBR.OPTO-SR8-2	Optical 400G SR8 TAP, 2 Links 50/125μ; MPO16 connectors, 19" 1/3U height, splitting ratio 50/50
CBR.OPTO-SR8-4	Optical 400G SR8 TAP, 4 Links 50/125μ; MPO16 connectors, 19" 1/3U height, splitting ratio 50/50

For more information please check our website **www.cubro.com**.