

Cubro MTP TAPs - 40 Gbit / 100 Gbit

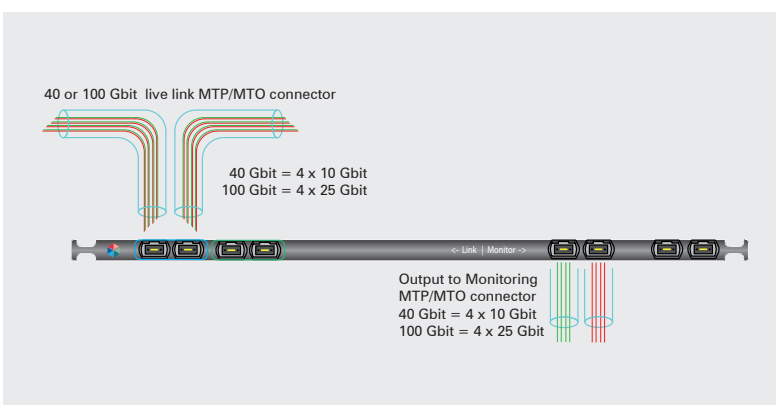
PRODUCT OVERVIEW



Cubro's MTP TAPs are passive fibre breakout TAPs that make 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet. These TAPs don't have a universal rack mount because they are small in size (only 1/3U).

The challenge of tapping a 40 Gbit link or a 100 Gb link based on a QSFP is that the QSFP is defined as quad channel interface (Q – quad) and we have 4 x 10 Gbit or 4 x 25Gb respectively. But these 4 x 10 or 4 X 25 Gbit are in a kind of a trunk that means an Ethernet packet is spreading in four chunks and sending traffic parallel over the 4 fibre links.

A special layer 1 protocol allows the receiver to know the different fibres which help the receivers to reassemble the packet in the right way. The TAP is connected to MTP connectors (8 fibres) with the QSFPs in the link. The output is also MTP which is connected to the input of one Packetmaster. The special features in the Packetmasters help to reassemble the QSFP traffic and break it down to 10 Gbit or 1 Gbit by filtering.



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. A TAP is a hardware device inserted at a specific point in the network to monitor data.

Advantages of MTP TAP

- TAP splitter
- Designed for high speed and lossless packet handling
- One TAP has 1/3 U (three different TAPs can be mounted in 1U)
- Non-disruptive and transparent
- No power supply needed and does not have an IP address, providing safety from remote attacks
- Does not modify traffic – tools see real copies of the packets from the network
- Cost-effective
- Blanking plate available to prevent passage of cold air

FUNCTIONS / BENEFITS

- Cubro’s MTP TAPs simplify the cabling infrastructure and cut down on installation times with a single connector
- The monitoring device connected to the MTP TAPs provides all full-duplex traffic as if it were inline, including Layer 1 and Layer 2 errors
- The MTP TAPs are compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection systems

PRODUCT CAPABILITIES / FEATURES

Link	40 Gbit MTP Multimode 100 Gbit MTP Multimode
Jumbo Frame Support	The TAP is a passive device and can handle every size of the frame
Dual Monitor Output	Each link has two monitoring outputs - one for west and one for east.
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	Special LINKSAVE Function enables secure Network Links even if the power supply fails. The TAP does not influence the network, even if it is not powered.
Rugged 19" housing	The unit is delivered in a rugged 19" 1U housing with precise connector labelling on the front panel.

ORDERING INFORMATION

Product Type & Number	Description
CBR.OPTO-MTP-1	MTP TAP 40-100Gbit, Singleport, Multimode, 19" 1/3U height
CBR.OPTO-MTP-2	MTP TAP 40-100Gbit, Dualport, Multimode, 19" 1/3U height
CBR.OPTO-MTP-4	MTP TAP 40-100Gbit, 4 link Multimode, 19" 1/3U height

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