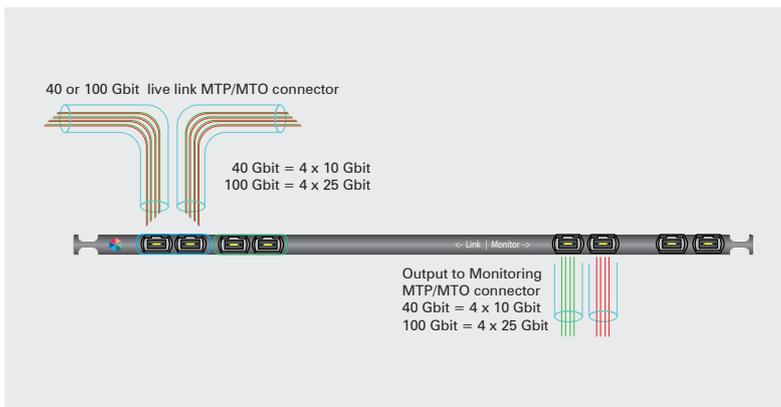


# Cubro MTP TAPs - 40 Gbit / 100 Gbit

## PRODUCT OVERVIEW



Cubro's MTP TAPs are passive fiber breakout TAPs that make 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet. Deploying these Network TAPs on any network link with a universal rack mount will reduce rack space usage and improve optical signal reliability.

The challenge of tapping a 40 Gbit link based on a QSFP, or 100 Gbit with CFP connector is that the QSFP is defined as quad channel interface (Q – quad) and we have 4 x 10 Gbit. But this 4 x 10 Gbit are in a kind of a trunk that means an ethernet packet is spreading in 4 chunks and sending traffic parallel over the 4 fiber links. The 100 Gbit connection on multimode works with 10 fibers in one connector.

A special layer 1 protocol allows the receiver to know the different fibres which helps the receivers to reassemble the packet in the right way.

- **40 Gbit:** The TAP is connected over MTP connectors (8 fibers) with the QSFP. The output is also MTP which is connected to the input of the Packetmaster 484. The special features in the Packetmaster 484 helps to reassemble the QSFP traffic, and break it down to 10 Gbit or 1 Gbit by filtering.
- **100 Gbit:** The TAP is connected over MTP connectors (20 fibers) with the CFP. The output is also MTP which is connected to the input of the Packetmaster 3. The special features in the Packetmaster 3 helps to reassemble the CFP traffic, and break it down to 40 Gbit, 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 TAPs

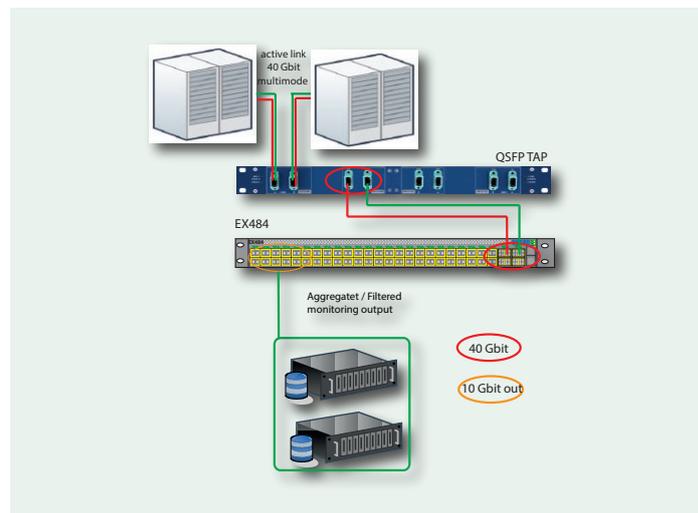
- TAP splitter
- Designed for highspeed and lossless packet handling
- 1U rack mount kit holds up to 4 modules, each module can have 1, 2 or 3 TAPs
- Non-disruptive and transparent
- No power supply needed, and does not have an IP address, providing safety from remote attacks
- Does not modify traffic – tools see real copies of the packets from the network
- Cost effective

## FUNCTIONS / BENEFITS

- Cubro’s MTP TAPs simplify the cabling infrastructure and cut down on install times with a single connector
- The monitoring device connected to the MTP TAPs is provided 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 Cubro Aggregation TAP supports jumbo Ethernet frames with a size of up to 9000 Bytes.
Dual Monitor Output	Each link has two monitoring outputs on 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 ruggedized 19" 1U housing with precise connector labeling 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
CUB.BREAKBOX-8P-SM-MT	Breakoutbox Singlemode 2x(8 Ports LC to 1 MTP connector), 19" 1/3U height
CUB.BREAKBOX-8P-MM-MT	Breakoutbox Multimode 2x(8 Ports LC to 1 MTP connector), 19" 1/3U height
CUB.BREAKBOX-16P-SM-MT	Breakoutbox Singlemode 4x(8 Ports LC to 1 MTP connector), 19" 1/3U height
CUB.BREAKBOX-16P-MM-MT	Breakoutbox Multimode 4x(8 Ports LC to 1 MTP connector), 19" 1/3U height

For more information please check our website [www.cubro.com](http://www.cubro.com)