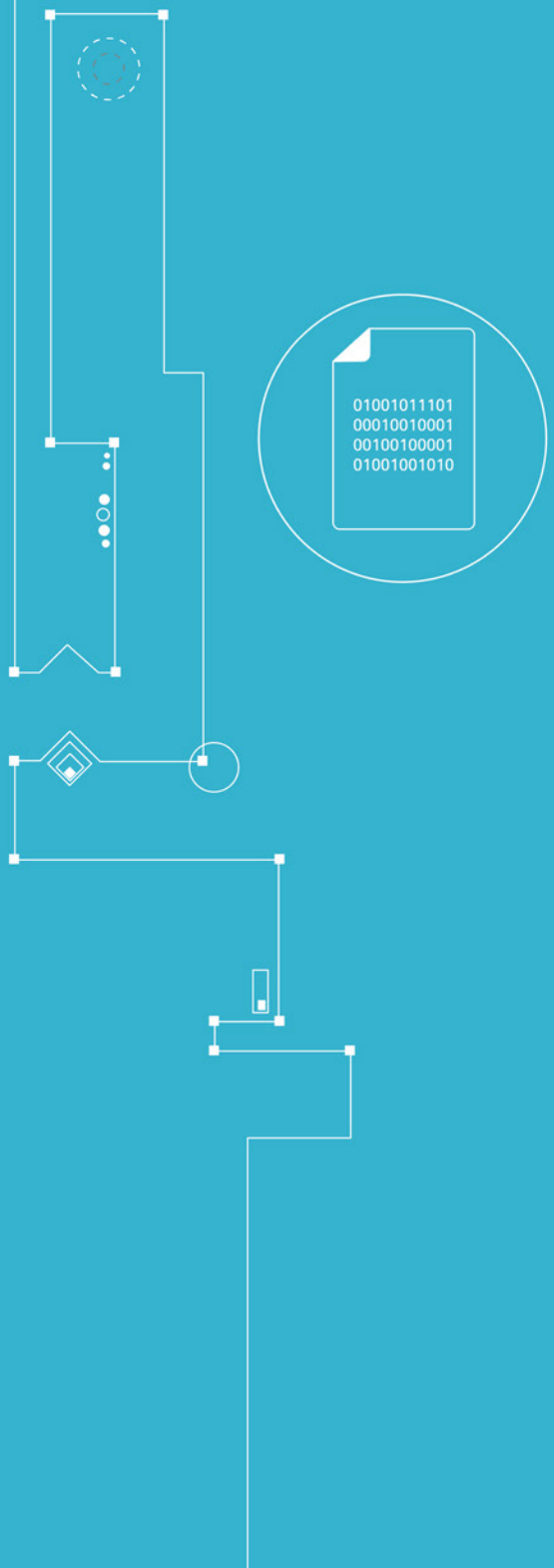
CUBRO
NETWORK VISIBILITY



CUBRO10/100/1000 COPPER TAP

DATA SHEET

Published at Cubro, September 2026

Please refer to the latest version of this document on our website
to ensure you have the most up-to-date information.

Network TAP
At a glance

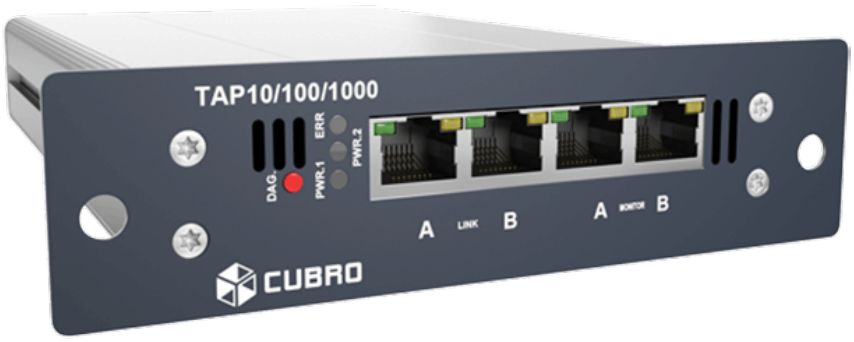
Definition

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 Copper TAP

- Provides complete traffic visibility and access to any network connection
- Transparent access
- Transfers all network traffic, including errors to the monitoring tools
- Extra uptime protection makes the TAPs more reliable
- PoE Transparent

Product Review



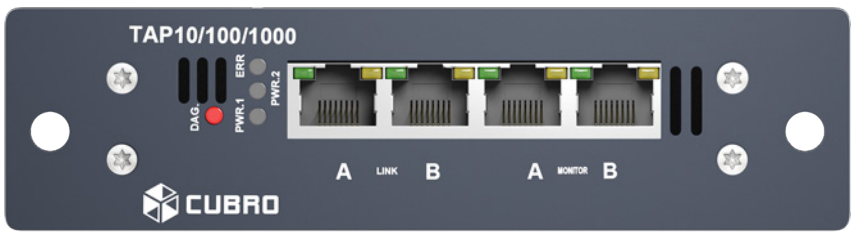
The Cubro Ethernet 10/100/1000Mb Copper TAP allows the uninterrupted passage of full duplex data over standard Category 5/6 copper network cable. Featuring auto negotiating between 10Mbps, 100Mbps and 1000Mbps, this TAP duplicates the network signals, including any existing physical errors to the transmit-only monitoring ports.

This advanced Cubro Ethernet TAP is a fully new development based on the latest PHY chips. There are some special add-ons available like PoE transparent (PoE = Power over Ethernet)

Functions / Benefits:

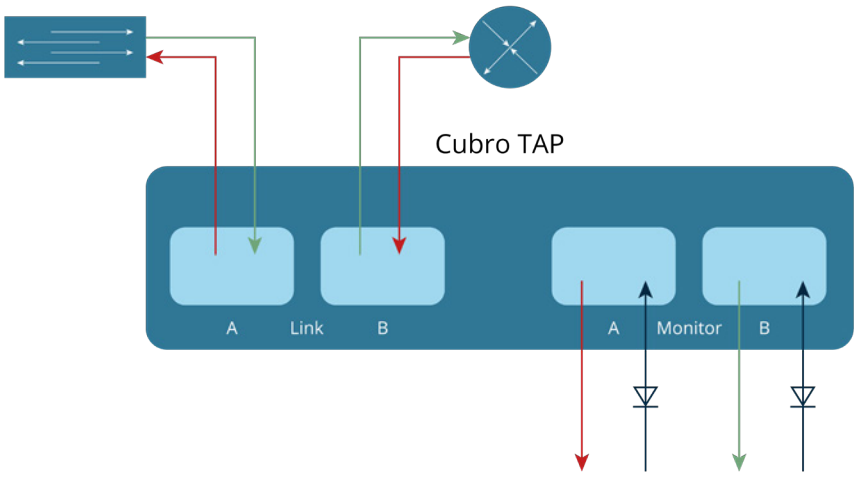
The Cubro Ethernet 10/100/1000Mb Copper TAP supports fast link recovery to ensure the fastest possible time to re-establish a link after a power down. This time is also related to the link partners and fully predictable.

This Copper TAP also allows to look at the physical details and change some parameters for a faster recovery. The result of checking the details will show on LED in the front.



Data Diode Function

The architecture of the Cubro TAP eliminates the risk of data injection from the monitoring ports to the live network. The live network connection is completely decoupled from the monitoring ports.



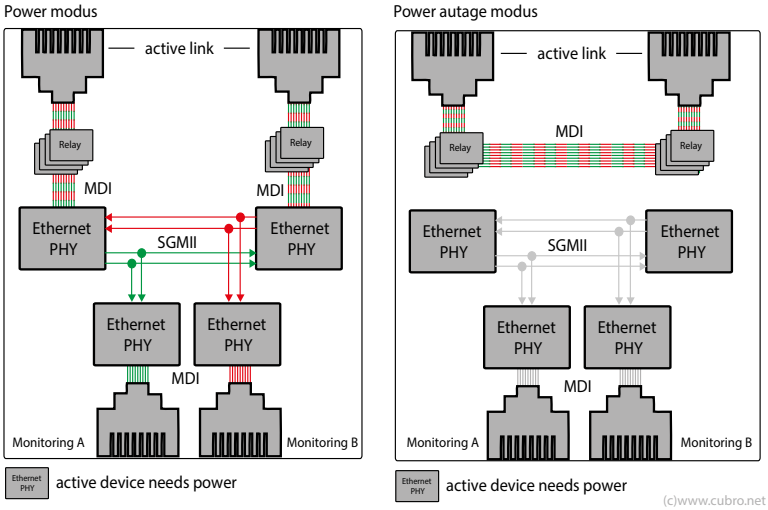
Product Capabilities / Features

Tapping 10/100/1000 Ethernet links	One link to two outputs
Fault Propagation	If the link on the input port is going down, the output ports will follow with a short delay
LED Indicators	Status, link speed
Power	12 V/DC Dual Power Versions
Propagation Delay (In to Out)	< 1 ns
MTBF	674768 hours
Operating Temperature	0 to 55°C
Operating Humidity	80% maximum relative humidity
Physical Dimensions (H x W x D)	3 x 11,2 x 17 cm 1,8 x 4,4 x 6,7 in
Rugged Aluminum Housing	Stable Aluminium Housing with precise connector labeling on front panel. 19“ Rack mounting kit also available

Additional Information

A Cubro Ethernet 10/100/1000Mb Copper TAP is not a passive device. The illustration shows the function of the copper TAP.

Cubro Ethernet TAP uses a specially designed high-speed relay that minimizes the risk of a link loss during power off. To comply with IEEE 802.3, the TAP initiates a retraining sequence and, depending on the PHYs in the taped network link, the link can stay up.



Ordering Information

Product Type & Number	Description
CBR.TAP-10/100/1000-B-R3	10/100/1000 TAP B Type, 1 Link, 1/3 19" rackmount housing (rackmount kit not included)
CBR.PS-12	Power supply AC/DC 240V AC-85V AC to 12V DC
CBR.RM19-3	Cubro 19" Rackmount Kit for 3x 1/3 19" units

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