



CUBRO
NETWORK VISIBILITY

40&100GBIT BIDI TAP



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DATA SHEET

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 BiDi TAPs

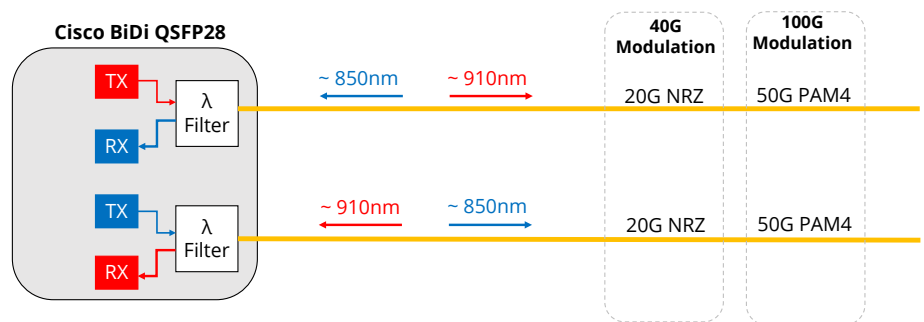
- Provide visibility to bidirectional 40Gb traffic
- Provides non-intrusive visibility into Cisco 40&100Gbit BiDi links and compatible infrastructure
- Make 100% copy of network data allowing the monitoring tools to see every bit, byte and packet
- No power supply needed, completely passive
- Flexible and scalable
- Cost effective

Product Overview



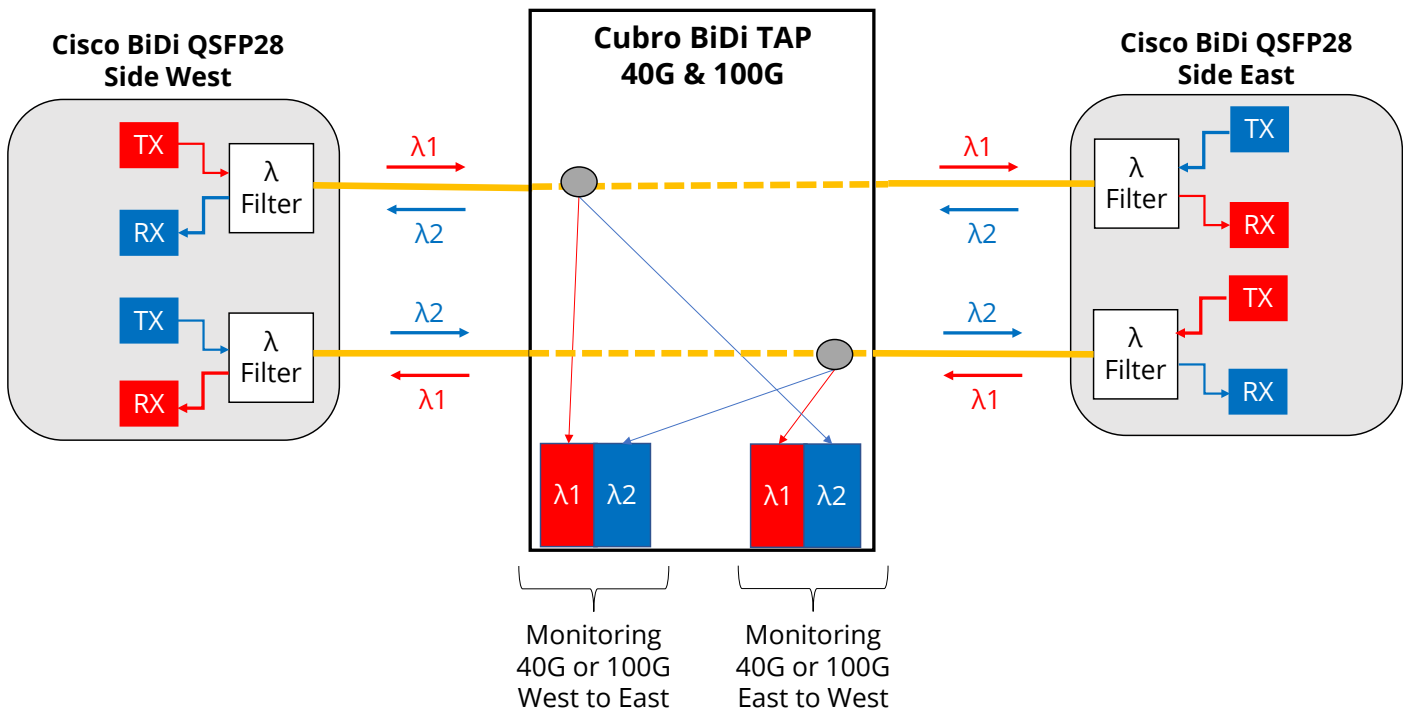
The Cubro 40&100Gbit BiDi TAP is the perfect choice when visibility into Cisco BiDi 40Gbit links or 100Gbit links is required. This TAP allows to get easy access to traffic flowing on Cisco BiDi links without interfering live data transfer. Feeding BiDi traffic to security and analytic tools has never been easier, particularly when the 40&100Gbit BiDi TAP is used together with a Cubro Advanced Network Broker that can easily deal with BiDi traffic.

The Cisco 40G&100G BiDi concept is a smart way of using existing optical multimode infrastructure that was originally planned only for 10Gbit links. This BiDi TAP can also be used for 40Gbit or even 100Gbit connections. By making use of the two separate wavelengths on a single fiber and advanced optical modulation methods the upgrade to 40G or 100G becomes straight-forward.



Cisco BiDi Concept

The Cubro 40&100Gbit BiDi TAP addresses the visibility challenge by providing cost effective solution when visibility into Cisco BiDi 40Gbit links or 100Gbit links is required. This TAP allows to get easy access to traffic flowing on Cisco BiDi links without interfering live data transfer. By using the 40&100Gbit BiDi TAP with a Cubro Advanced Network Broker it is much easier to feed BiDi traffic to security and analytic tools.



Combination with EXA32100

The Cubro BiDi TAP is fully passive, completely traffic transparent, adds no delay to live traffic and works for both 40Gbit as well as 100Gbit. The tapped BiDi traffic can be further processed to enhance visibility by using it with a Cubro Advanced Packet Broker such as the powerful EXA32100.

The Cubro EXA32100 Advanced Packet Broker is the perfect tool to terminate and further process the traffic coming from the 40&100Gbit BiDi TAP.

The EXA32100 features 32 x 40/100G QSFP/QSFP28 ports that are fully compatible with Cisco 40Gb and 40&100Gb transceivers. The advanced network packet broker aggregates, filters or load balances the BiDi traffic before sending it to the relevant tools. The advanced capability of the EXA32100 technology allows to perform sophisticated applications like filtering out an individual IP stream inside a Cisco BiDi link or distributing traffic to different 10Gb monitoring tools.

[EXA32100A Data Sheet](#)

Functions / Benefits:

- Opens visibility to higher-density 40&100Gb BiDi links, leveraging newer BiDirectional optics
- Supports Cisco infrastructures using BiDirectional 40/100Gb transceivers
- 1 and 2 Link versions available

Product Capabilities / Features

Application	Non-intrusive tapping of Cisco 40G and 100Gbit links
Number of Links	1 Link or 2 Links version available
Applicable Fiber	OM4 or OM5
Connector Type	LC duplex
Split Ratio	50 / 50
Typ. Insertion Loss	3,5dB
Transparency	Fully transparent
Electrical Power Supply	None - fully passive
Physical Dimensions (H x W x D)	480 x 147 x 14,5 mm; fully compatible for 19" rack installation
Weight	1,6kg

Ordering Information

Product Type & Number	Description
CUB.OPTOSLIM-1L-40G-C	Optical BiDi TAP MM, 1 Link CISCO 40&100Gbit BiDi SR, LC
CUB.OPTOSLIM-2L-40G-C	Optical BiDi TAP MM, 2 Links CISCO 40&100Gbit BiDi SR, LC

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