

Cubro Aggregation TAP Series

PRODUCT OVERVIEW



Cubro Aggregation TAP is an intelligent TAP for network data packets featured in high port density, diversified operation mode, flexible deployment and easy management and maintenance. With excellent adaption to various network environment, it can provide telecommunication data for IDS, Network Protocol Analyser and Signalling Analyser in real time as needed.

Gbit copper interfaces are still very common in many places, from data centres to enterprise networks although copper Gbit links are the most complicated to tap. These are active TAPs which means that in a case of a power down situation in the tap there is always interruption in the live link. This interruption time is most critical for networks because the link down status can activate protection mechanism in the network, and can be the starting point of massive network problems.

Cubro Aggregation TAP has the lowest network recovery time. Cubro offers a solution which has interruption time between 30 - 40 ms, lowest compared to any other similar TAP.

The TAP exceeds ordinary TAPs to a large extent as combining TAP, filtering analyser and load balancing device to provide a convenient and efficient data collection solution for network security, protocol analysing and signalling monitoring.

Network TAP At a glance

Definition

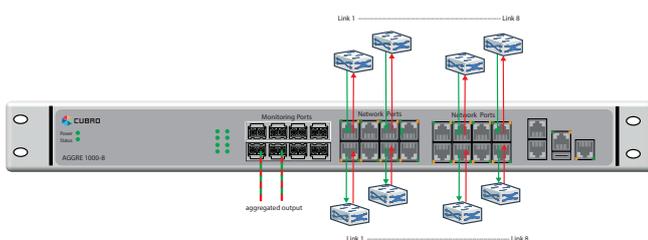
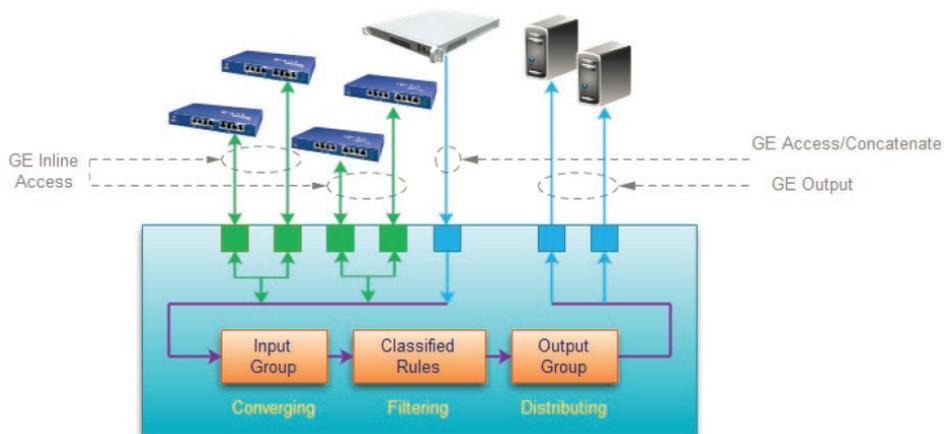
A network TAP (test access point) is an external monitoring device that mirrors the traffic that passes between two network nodes. A TAP is a hardware device inserted at a specific point in the network to monitor data.

Advantages of Aggregation TAP

- Creates an exact copy of a full duplex data stream that can be filtered and routed to a network monitoring tool for inspection, analysis or management.
- Least interruption time compared to other active TAPs.
- Supports multiport converging and filtering, and multi-copying output or load balancing distributed output.
- Particularly suitable for complex applications having numerous links, large network traffic and high density.
- Three versions available –
 - 4 links, 8 x 1G output
 - 8 links, 8 x 1G output
 - 8 links, 8 x 1G + 2 x 10G output

Functions / Benefits:

- High port density for 4 or 8 links of 10M/100M/1000M plus 8 x 1G monitoring outputs. Additionally, we offer 2 x 10G monitoring output (optionally).
- GE interface for monitoring, enabling the flexible linking to the back-end data analysers.
- Full-duplex wire-speed traffic copying by using ASIC chip which can copy one flow up to 8 copies for output. No packets loss in the case of full line rate. It keeps IDS equipment's, security audit system, protocol analysis equipment's monitoring data completely and effectively, and improves the network quality of service.
- Supports for 802.1Q traffic copying and VLAN packets.
- Flexible multi-monitoring function enabling clustering monitoring, multi-copying monitoring and advanced load balancing distributed output.
- Friendly management interface provides improved interfaces for command line management, WEB page management and SNMP management.



Typical standalone application up to 8 copper links are aggregated to several output ports in this case to two. The output be also filtered.

PRODUCT CAPABILITIES / FEATURES

Basic Function	Tapping and aggregation
Link speed	10M/ 100M/ 1000M
Forwarding Performance	Full line rate
Statistics	Counter for per interface
Configuration Interface	RS232 console,100M Ethernet CLI on Console/SSH WEB UI
Management	Web page management Access CLI (command line interface)through local serial port or ssh
Power	Dual redundant power supplies of DC or AC input. Max 140 W
Environment	Operation temperature: 0 to 40C Storage temperature: -5 to 70C; Humidity: 5% to 90%. RoHS5

ORDERING INFORMATION

Product Type & Number	Description
CUB.AGGRE1000-4	Copper Link Aggregation TAP, 4 Links RJ-45 1000 Base-T, 8xSFP 1G Monitor Ports; 19" 1U high housing, 2x120V AC/230V AC power
CUB.AGGRE1000-8	Aggregation TAP, 8 Links RJ-45 1000 Base-T, 8xSFP 1G Monitor Ports; 19" 1U high housing, 2x120V AC/230V AC power
CUB.AGGRE1000-8-DC	Copper Link Aggregation TAP, 8 Links RJ-45 1000 Base-T, 8xSFP 1G Monitor Ports; 19" 1U high housing, Dual DC power
CUB.AGGRE1000-10G-8	Aggregation TAP, 8 Links RJ-45 1000 Base-T, 8xSFP 1G & 2 x SFP+ 10G Monitor Ports; 19" 1U high housing, 2x120V AC/230V AC power
CUB.AGGRE1000-10G-8-DC	Copper Link Aggregation TAP, 8 Links RJ-45 1000 Base-T, 8xSFP 1G & 2 x SFP+ 10G Monitor Ports; 19" 1U high housing, Dual DC power

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