SIMPLE | SCALABLE | SUSTAINABLE

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 links and 8 links with 2 X 10G

- Additional 2 X 10G SFP 1GMonitor Ports available

Functions / Benefits:

- There is no split ratio consideration because the TAP receives the message and then retransmits it to both the network and monitoring destinations.

- High port density with 4 or 8 pairs of GE interface on TAP. 8 GE version is also available with additional 2 X 10G ports.

- 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.

- Powerful function of intelligent traffic selection, enabling classified selection of packets according to various domains including input port id, protocol, IP address and port number

- 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.

- The cascade deployment and unified management bring convenience for the collaborative work and management of multiple devices
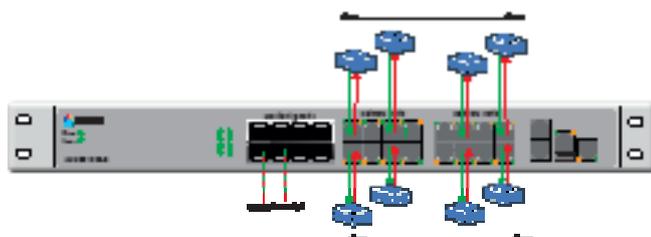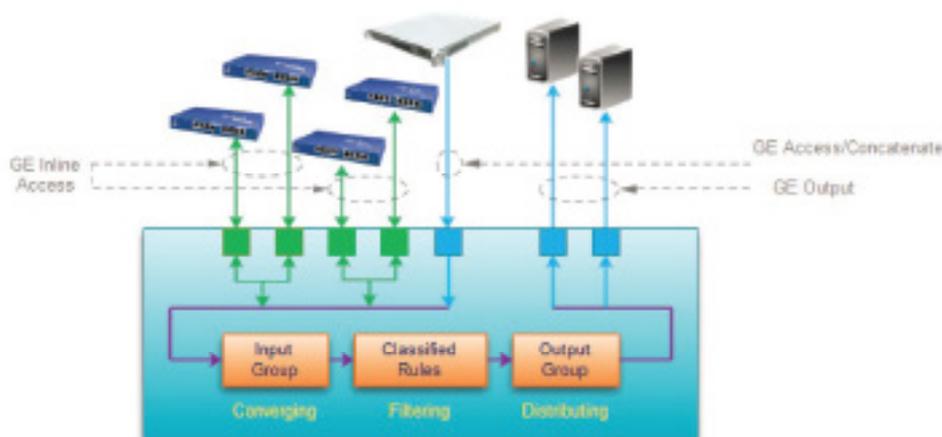
Typical standalone application up to 8 copper links are aggregated to several output ports in this case to two. The output be also filtered.

PRODUCT CAPABILITIES / FEATURES

Basic Function	Packet forwarding with filtering policies between ports
Filtering number	32 x 8
Filtering Performance	Full line rate
Packet Processing	no
Statistics	Counter for per filter rule Counter for per interface
Protocol Supported	IPV4 IPV6
Configuration Interface	RS232 console 100M Ethernet CLI on Console/SSH WEB UI
Management	Web page management Access CLI (command line interface)through local serial ports or remote protocols of telnet, rsh, ssh RPC remote call interface
Power	Dual redundant power suppliesof DC or AC input. Max 140 W
Environment	Operation temperature: 0 to 40 Storage temperature: -5 to 70; 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

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