CTP-10G

10G Copper Link Aggregation Tap*

*Also supports 1G, 2.5G, and 5G copper links and tools

CTP-10G

The CTP-10G tap can be installed in a copper 1G, 2.5G, 5G, or 10G link between any two network devices, allowing traffic to flow between them. Copies of link data are made, and provided to tools for security or monitoring purposes. It auto-negotiates to the speed of the tapped link, as well as supporting monitoring tools operating at any of those speeds.

Aggregation and Regeneration Mode

Rx and Tx copies of tapped link data are merged into a single data stream. Both monitor ports receive identical copies of the data. This data eliminates contention for access to critical links, allowing two tools to monitor the same link. It also allows tools with a single capture NIC, such to view both sides of the duplex conversation. Aggregation or Non-Aggregation mode is selected via a convenient rear slider switch.

Non-Aggregation Mode

Rx and Tx data copies are sent to separate monitor ports. This eliminates the risk of dropped packets in the tap, which can be caused by merging data copies from links that spike over 50% sustained aggregate utilization.

Failsafe Passive Bypass

Load sharing redundant power supplies. If power is lost. a relay based passive bypass system allows data to continue flowing on the tapped link.

Reliable and Easy to Use

The CTP-10G is simple to deploy. A slider switch on the back of the device allows users to choose between Aggregation and Non-Aggregation modes. After setting the aggregation switch, and choosing tapping mode, the device is plug and play. There is no other configuration or setup necessary for this easy to use, reliable device.

Security

It cannot have an IP Address assigned it, and has no MAC address - it is invisible to the network. Use it when you want to collect and capture packets for a security or storage application. The copy of traffic into the security or monitoring tool is one-way. The tap can't become a point of access for hackers, nor can anyone get to the security probe or recording device through the tap (since the traffic is one way.)

HIGHLIGHTS

- View entire full-duplex copper 10G link conversations using single-interface monitoring tools
- Low latency through tap on link and to tools*
- Eliminate SPAN port contention, over-subscription risk, and configuration errors
- TAA Compliant
- Easy to deploy- switch selects Aggregation or Non-aggregation modes

*(contact support@datacomsystems.com for latency and frame loss test results)

FEATURES

- Aggregation - Can combine multiple network links or channels into one stream for visibility into complete network conversations
- Send copies of traffic from the tap to multiple connected tools to share data sources
- Passes Jumbo Frames and all schemes of POE (Power Over Ethernet) through the TAPs Network ports
- Passes all Error frames (CRC's, Runts, etc.) through the Network ports and to the monitoring tools
- No configuration or management settings
- Auto-negotiation enables the tapping of 1G, 2.5G, 5G, and 10G copper links, as well as 1G, 2.5G, 5G, and 10G copper tools
- Stays invisible to the network for enhanced security

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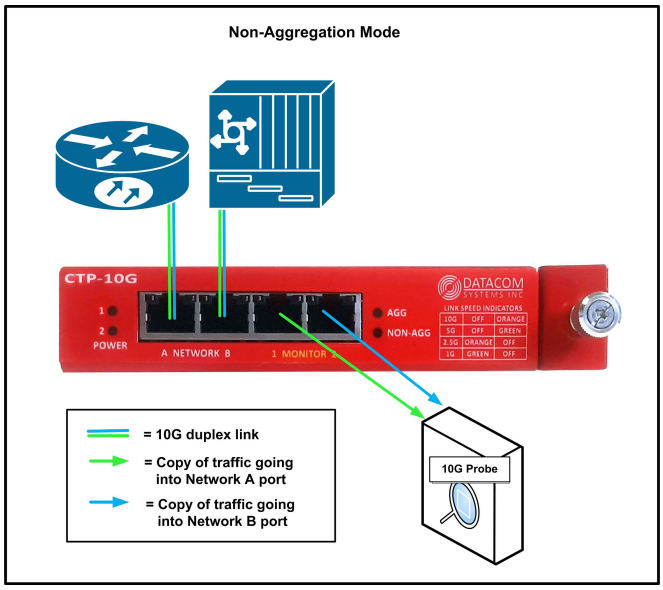

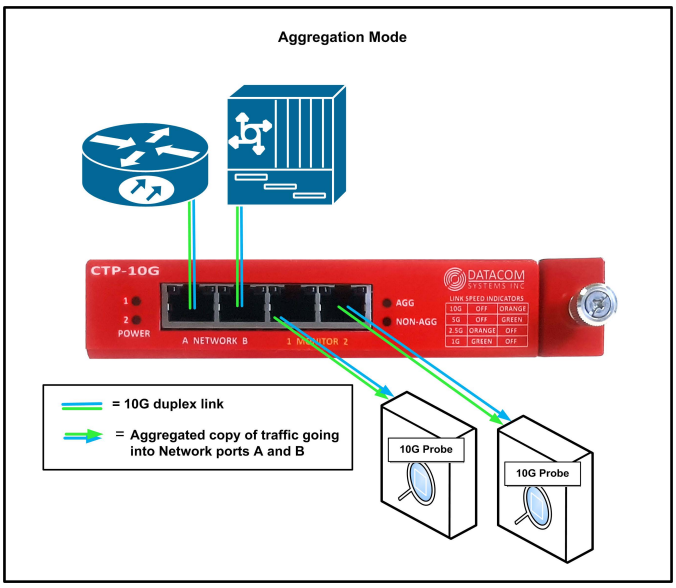

Technical Specifications

Ports

Network: One (1) 1G/2.5G/5G/10G capable copper Network Tap (qty two RJ45)

Monitoring: Two (2) 1G/2.5G/5G/10G capable Ports (RJ45)

Dimensions (H x W x D)

1.07 x 5.00 x 6.5 in (2.7 x 12.72 x 12.7 cm)

Weight

17 oz. (0.48 kgs)

Environmental

Operating Temperature: 32º to 104ºF (0° to 40°C)

Storage Temperature: -22º to 149ºF (-30° to 65°C)

Humidity: 5 to 90% non-condensing< 25 BTU/hr

Power Requirements

Two (2) External 36 watt capable AC Adapters (included)
Input: 100-240 VAC, 50-60Hz
Max. Amperage: 2A
Maximum Power Consumption: 24 watts with 4 ports @10G

Estimated MTBF

Certifications

CE, RoHS, CAN ICES-3 (A)/NMB-3(A), FCC Part 15 Class B, TAA Compliant

Warranty

One Year Hardware and Software support included. Premium Support option available

ORDER

Product	Description
CTP-10G	1G/2.5G/5G/10G capable Link Aggregation Tap with 2 Monitoring Ports supporting 1G/2.5G/5G/10G Redundant AC power supplies, and region specific power cables

Accessories

RMC-3R*	3-TAP 1U Extended Rack Mount Chassis
RMC-12-3*	12-TAP 4U Rack Mount Chassis

* Supported in a rackmount configuration only when the RMC-3R rackmount chassis is used and 1U rack mount faceplate fan panel with front to back airflow is installed immediately above it.

* The RMC-12-3 also requires a faceplate fan panel installed immediately above it.

Datacom Systems recommends the Cloudplate T1 or equivalent fan unit)

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Find out more at www.datacomsystems.com

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