

# CTP-1000 FASTstart Guide



## What is included?

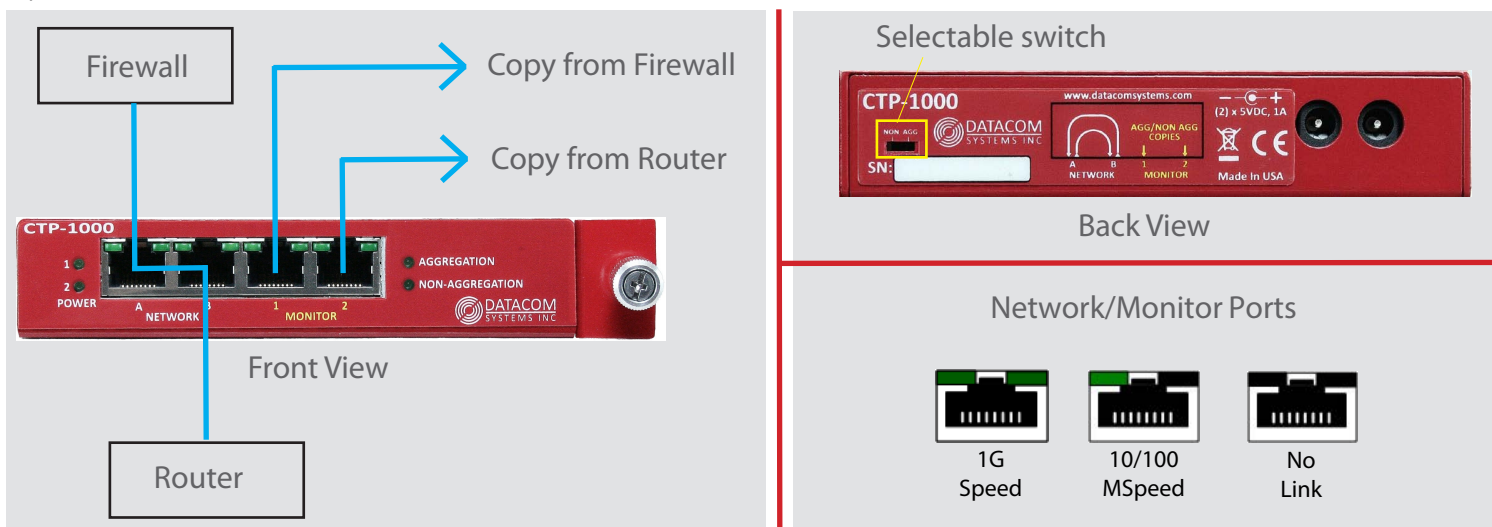
- (1) CTP-1000 (incl. mounting bracket (for use with optional: RMC-3 or RMC 12-3))
- (2) Power Supplies, Universal can be used worldwide
- (2) AC Power Cables (connector, in most cases, matches the country where the product is shipped)
- (1) Download Card (tells where to download more product information)

The CTP-1000 Ethernet TAP from Datacom Systems will tap a single network link and make copies of traffic. These copies can be kept separate and sent out two ports, or they can be combined to allow full duplex monitoring out each port. In our example below, we show a tapped connection between a firewall and a router.

**Installation** The CTP-1000 Network ports A and B are inserted between two directly connected network devices (i.e. firewall and router). Traffic will flow between these network ports even if the tap is not powered.

Connect your monitoring device to TAP (Monitor) port A. This port will transmit incoming traffic on Network port A, or a combination of both Network ports.

Connect your monitoring device to TAP (Monitor) port B. This port will transmit incoming traffic on Network port B, or a combination of both Network ports.



A convenient switch on the back of the tap can be used to toggle aggregation on or off. When set to "NON", Monitor port A will only transmit a copy of received traffic on Network port A, and Monitor port B will only transmit a copy of received traffic on Network port B.

When the device is set to "AGG" mode, each Monitor port will transmit and aggregated copy from the both the Firewall and Router to the Monitor ports.

## Switch Settings

### Additional Features

- The CTP-1000 includes dual redundant power supplies. The Tap will remain powered even if one power supply fails. It's recommended that each power supply is connected to a separate circuit breaker to minimize the risk of power loss.
- If power is lost on the CTP-1000, internal relays on the network ports will close and allow traffic to continue to pass through. Monitor ports will not transmit traffic while the device is powered off.
- The CTP-1000 supports passing Power-Over-Ethernet (POE) over the network ports.
- Supports frame sizes up to 10,240 bytes

### Installation Notes

- Before setting the CTP-1000 to aggregation mode, it is important to consider the link utilization on the network links. If the combined bidirectional traffic over the network ports exceeds the speed of the monitoring devices, loss of traffic through the monitoring ports will occur.
- All ports on the CTP-1000 are set to AUTO speed negotiation. If these ports are connected to devices with manual speed settings, confirm that the devices on either side of the tap are at the same speed. For optimal results set all devices to AUTO speed negotiation
- It's recommended that the endpoint devices connected to each network port are capable of the same maximum speed. Oversubscription may occur if the speeds are mismatched. If the device loses power and the end devices are set to different speeds, loss of traffic may occur.
- MDI-X may need to be turned off on some network devices connected to the tap for proper communication
- Power supplies should be connected to outlets with different circuit breakers to maintain maximum uptime
- The maximum cable length between network devices (not including the tap) should be 90m
- Rack mounts (RMC-3 or RMC 12-3) are available separately to mount 3 units horizontally or 12 units vertically

Find out more. Visit  
[www.datacomsystems.com](http://www.datacomsystems.com)

For More information

Customer Service is available from our website: [www.datacomsystems.com](http://www.datacomsystems.com) or by calling +1 315 463 9541