

10/100/1000-TAP FASTstart Guide



What is included?

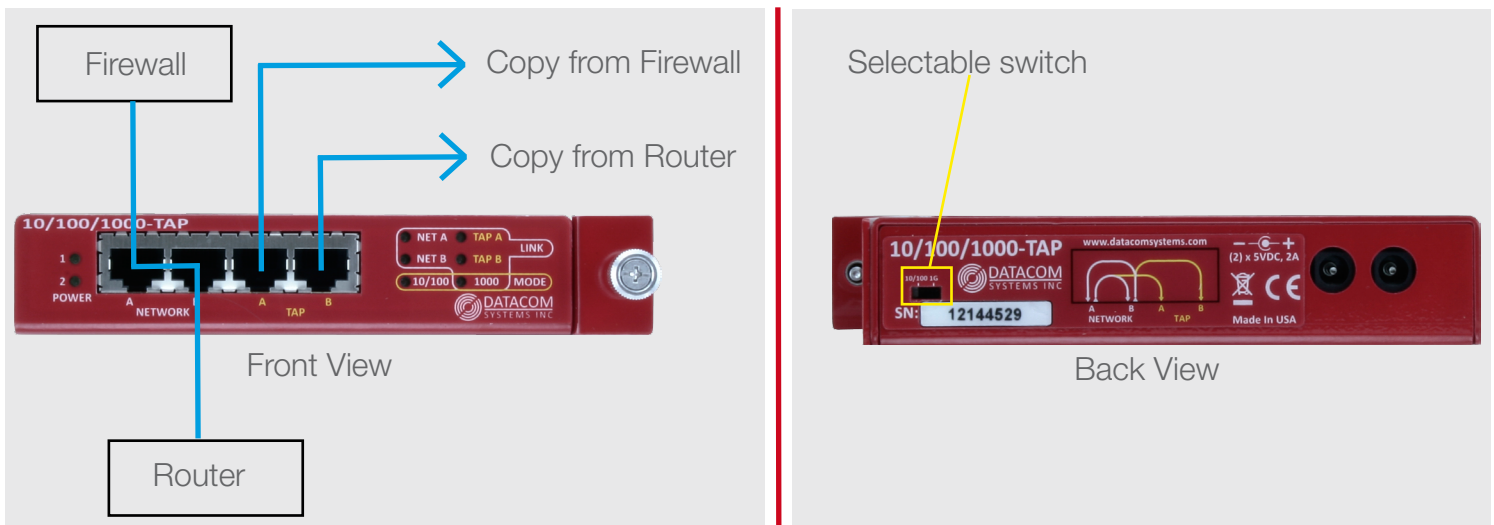
- (1) 10/100/1000-TAP w/ mounting bracket (for use with RMC-3 or RMC 12-3)
- (2) Power Supplies, Universal can be used worldwide
- (2) AC Power Cables (connector, in most cases, matches the country where the product is shipped)
- (1) Download Card (tells where to download more product information)

The 10/100/1000 Ethernet TAP from Datacom Systems will tap a single network link and make a copy of the traffic travelling in each direction. The copies will come out two separate ports. In our example below, we show a tapped connection between a firewall and a router.

Installation The 10/100/1000-TAP 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.

Connect your monitoring device to TAP (Monitor) port B. This port will transmit incoming traffic on Network port B.



A convenient switch on the back of the tap can be used to select the tapping mechanism, either a 1G network link or a 10/100Mbps link. All devices connected to the tap should be capable of the same maximum speed.

Switch Settings

1G Setting

- If 1G is selected, the device uses a relay based tapping mechanism between Network ports A and B.
- The relay will close between Network ports A and B in the event both power supplies lose power.
- The devices between Network A and B will still be physically connected if the tap is not powered.
- A momentary link interruption may occur on the link between the Firewall and Router during tap power resets.
- No monitoring on TAP (Monitor) ports A or B is available if the tap is not powered.
- LEDs will be green during normal operation

10/100 Setting

- The firewall and router are "passive" tapped using an inductive tapping mechanism
- Loss of power to the tap will have no impact on the network link, with no loss of packets
- No link interruption will occur on the link between the Firewall and Router during power resets.
- No monitoring on TAP (Monitor) ports A or B is available if the tap is not powered.
- Network/TAP LEDs will be OFF during normal operation, only the POWER and 10/100 LEDs will be green

Installation Notes

- In 10/100 mode, a cross over cable may be necessary on one of the Network ports, Network port B is recommended
- 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 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

For More information

Customer Service is available from our website: www.datacomsystems.com or by calling +1 315 463 9541