

# Dual-Link/Dual-Mode Failsafe 10/100/1000Base-T Network TAP

ETAP-5203



Dualcomm ETAP-5203 is a gigabit copper Network TAP capable of simultaneously monitoring two 10/100/1000Base-T Ethernet links. ETAP-5203 stands out on the market as a failsafe GbE Network Tap without using a cooling fan due to its low-power design and several other unique features.

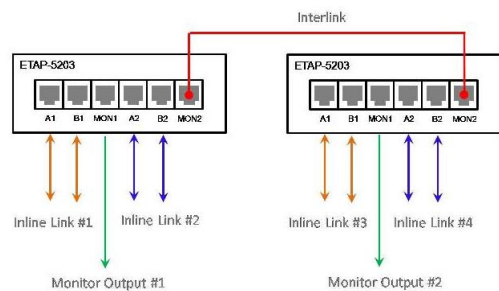
ETAP-5203 provides two copper inline link interfaces with two aggregation monitor ports. Each copper inline link interface consists of two RJ45 ports.

ETAP-5203 can operate in two operation modes: Dual-TAP Mode and Dual-Link Mode, manually pre-configured by a DIP switch. Power recycling is required to change the operation mode.

When the ETAP-5203 operates in the Dual-TAP Mode, it functions as two independent copper GbE Network TAPs, the two monitor ports outputs a copy of aggregated full-traffic of the corresponding copper inline link.

When the ETAP-5203 operates in the Dual-Link Mode, each two monitor ports outputs a copy of aggregated full-duplex of the two copper inline links.

One rare feature is that, in the Dual-Link Mode, any of the monitor ports are stacking ports by which multiple ETAP-units can be interconnected with one another to monitor than two network links with any of the remaining monitor ports.

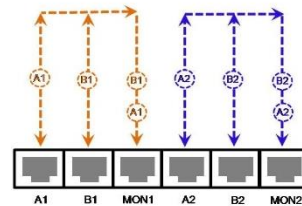


Stacking of Two ETAP-5203 Units to Monitor Four Links with Each Monitor Port

the time for activating a redundant link path in a network.

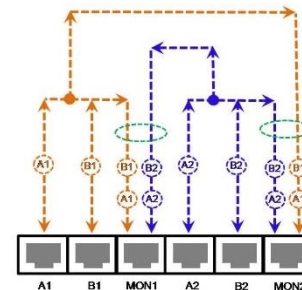
## Two Operation Modes of ETAP-5203

### Dual-Tap Mode



Traffic Flow Diagram of Dual-Tap Mode

### Dual-Link Mode



Traffic Flow Diagram of Dual-Link Tap Mode

one of which is

each of duplex

of the traffic

two 5203 more

The two RJ45 ports of each copper inline link interface will fail over automatically to maintain link connectivity when ETAP-5203 loses power. As such, ETAP-5203 can be used for deployment in critical link paths in a network.

When a live link goes down on one RJ45 port of a copper inline link interface, the link on the other RJ45 port of the copper inline link interface will go down automatically. This feature is usually desirable or required for high availability deployment to reduce

ETAP-5203 is compatible with Power-over-Ethernet (PoE), which is capable of passing PoE inline power between two RJ45 ports of a copper inline link interface. As such a connected PoE powered device (e.g., a PoE IP phone) can still receive the inline power from its PoE capable link partner such as a PoE switch.

ETAP-5203 can be rack-mounted with the optional mounting hardware kit (Model No. RMKIT-1000), which can be purchased separately.

#### **HIGHLIGHTS:**

- A single device for monitoring two GbE (10/100/1000Base-T) Ethernet links simultaneously
- Support two operation modes configurable by a DIP switch
- Dual-TAP Mode: device operates as two independent GbE Ethernet TAPs
- Dual-Link Mode: each of the two monitors outputs a copy of aggregated full-duplex traffic of two GbE Ethernet links
- Low power and fan-less design
- Support Power Failsafe Bypass
- Support Link Fault Pass-Through
- Compatible with Power-over-Ethernet (PoE)
- Rack-mountable with an optional 1U rack-shelf (sold separately)