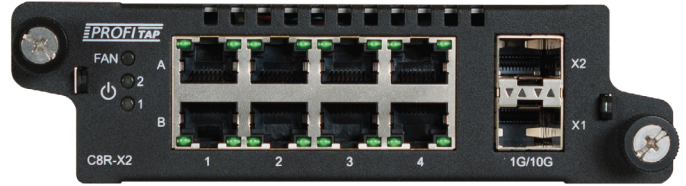# BOOSTER IN-LINE DUAL OUTPUT

AGGREGATION OF 4 x 10/100/1G LINKS AND REPLICATION TO 2 x 1G/10G

The Booster transmits traffic from up to 4 In-Line links (8 ports) into a single NPB port as opposed to the typically required 8. By optimizing the number of ports used on your Network Packet Broker, the Booster allows for unprecedented savings and outstanding return on investment. The dual output model replicates the traffic to 2 SFP+ outputs, allowing that traffic to be sent to two different devices or two ports on the same device.

The Booster also enables a significant reduction in occupied rack space. The PROFITAP Booster is quickly recognized as an imperative instrument for reducing budgetary and rack space costs.

TECHNICAL SPECIFICATIONS

CONNECTORS	LEDS
8 x RJ45 8 pins 2 x SFP+ 2 x 12 VDC 1 x USB Type B	16 x Speed/link activity 4 x Status/link activity 2 x Power 1 x Fan

WEIGHT	DIMENSIONS (WxDxH)
800 g — 1.76 lb	120 x 205 x 41 mm — 4.72 x 8.07 x 1.61 in

COMPLIANCE	ACCESSORIES
RoHS — CE	1 x 100–240 VAC to 12 VDC PSU

LATENCY
1 Gbps: 425 ns — 100 Mbps: 740 ns — 10 Mbps: 6000 ns

Order reference   C8R-X2   **Portable option   C8P-X2**
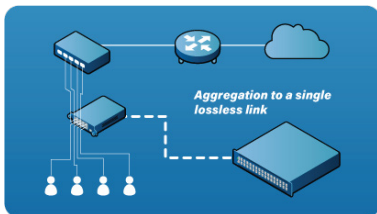
FEATURES

- Aggregation of 8 ports (4 in-line links) RJ45 10/100/1G and output of the replicated traffic to 2 SFP+ 1G/10G
- Direct link aggregation, no required management, installation or driver
- Ingress VLAN Tagging
- Non-intrusive to the network
- Supports link failure propagation
- PoE passthrough
- Redundant powering
- Fail-safe in-line design ensures uninterrupted network operation in case of power loss
- Data Diode function prevents any injection of data from the monitoring port back into the network
- Network ports galvanically separated from monitor port for maximum security
- Up to 3 in 1U rackmount chassis

Lossless Aggregation

Conventional Aggregation TAP solutions often feature output ports with the same speed as the network links. This causes oversubscription on the output port of the TAP, causing valuable packets to be lost. By aggregating network traffic to a 10 Gbps output, no packet loss occurs. Whether traffic is forwarded to a Network Packet Broker or an IOTA, the Profitap Booster delivers lossless aggregation, while also reducing network complexity.

Speed Conversion

Many high throughput devices like network packet brokers feature ports designed for 40/100 Gbps operation. With breakout cables, individual connections at 10 Gbps can be established, but lower speeds are often not a possibility. This means that lower speed links, such as 10M/100M/1G, cannot be forwarded directly to the toolset.

The Profitap Booster converts these links into a 10 Gbps output, bringing additional speeds to new and existing tools in a cost-effective way.