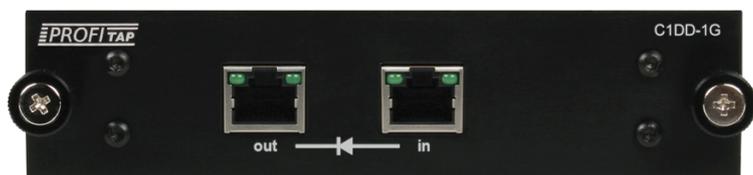# GIGABIT NETWORK DATA DIODE

FOR HARDENED NETWORK ISOLATION

Profitap C1DD-1G Gigabit Network Data Diode is a data diode for Ethernet links. It provides isolation by blocking all data transmission in one way, while providing full data connectivity in the other. Forward transmission exhibits best-in-class performance with a low constant latency. Profitap C1DD-1G provides isolation for 1 link in a 1/3U rack space. It is non-intrusive, undetectable, unalterable, and has no IP address. It features redundant PSUs for optimal uptime.

FEATURES

- Data Diode function prevents any injection of data from the monitoring ports back into the network
- Monitoring of all 7 OSI layers
- No packet loss, no point of failure
- Power consumption inferior to 4W
- Redundant powering

LATENCY	1 Gbps	100 Mbps	10 Mbps
IN-OUT	425 ns	700 ns	6000 ns

TECHNICAL SPECIFICATIONS

CONNECTORS	2 x RJ45 8-pin
POWER INPUT	2 x 12 VDC
OPERATING TEMPERATURE	0°C to 50°C
STORAGE TEMPERATURE	-20°C to 70°C
HUMIDITY	10 to 90%, non-condensing

DIMENSIONS (WxDxH)	113 x 128 x 30 mm 4.4 x 5 x 1.2 in
WEIGHT	320 g — 0.71 lb
ENCLOSURE	Steel and Aluminum
ACCESSORIES	1 x 100–240 VAC PSU
COMPLIANCE	RoHS — CE — FCC class A IEEE 802.3 — UL 62368-1

ORDER REFERENCE

C1DD-1G