

TEMPEST 8 and 16 Port Fiber LAN Switch DTD-BB8/DTD-BB16 Compact Performance - TEMPEST Security



The 8 Port DTD-BB8

Built and tested to meet the following TEMPEST standards:

- NTISSAM 1-92 Level I
- AMSG 720B

Designed for use in organizations with multiple workgroups, remote offices and network traffic centers, the DTD-BB8/16 is easy to install and use. Addresses of attached nodes are automatically learned and maintained, adapting the switching services to network changes and expansions to provide plug-and-play operation. Front-mounted LEDs provide status information on each port. Large 8 MB packet buffers provide advanced performance, even with unbalanced loads. Store-and-forward switching filters all faulty packets to minimize traffic congestion.

- High performance operation, plug-and-play installation for switching services, transparent to system software
- Quad-switch modules allow user selection of mixed-media Fiber ports (all connector types)
- Built on Industrial Grade GarrettCom technology

KEY FEATURES

FIBER PORTS:

- 100 Mb speed per port based on the fiber connector part. FDX or HDX, default is FDX mode
- Processing type: Store and Forward with IEEE 802.3x full-duplex flow control, non-blocking
- System aggregate forward and filter rate: 2.3M pps (all ports 100Mb speed) System (16p)
- Address table: 32K nodes, self-learning, with address aging Packet buffers: 8 MB dynamic
- Latency: 5s + packet time max (TX - TX, TX - FX, FX - FX) PDV: 50 BT

NETWORK STANDARDS:

- IEEE 802.3u: 100BASE-TX, -FX, IEEE 802.3: 10BASE-T Auto-negotiation on TP, IEEE 802.3u
- All 10 Mb ports obey the rules for configuring 10Mb Ethernet All 100 Mb ports use Fast Ethernet rules

OPERATING ENVIRONMENT:

- Ambient: 32° to 120°F (0° to 50°C)
- Storage: -5° to 160°F (-20° to 70°C),
- Ambient relative humidity: 10% to 95% (non-condensing)

NETWORK CABLE CONNECTORS:

- Fiber ports connector options: multi-mode FX-ST, SC, MTRJ; single-mode 20Km SC, and 40Km "long reach" single-mode SC.

AC POWER SUPPLY (INTERNAL):

- AC Power Connector: IEC-type, male recessed. Power Input Voltage: 100 - 240 VAC (auto ranging)
- Power Input Frequency: 47 to 63 Hz
- Power Consumption: 8-port models, 20 watts typical; 16-ports, 35 watts typical, 65 watts max.

LED INDICATORS, FIBER PORTS:

- LK: Steady on when fiber link is operational.
- ACT: On with port activity
- FDX/HDX: ON = full-duplex mode, OFF = half-duplex mode. 100/10 ON = 100Mbps, OFF = 10 Mbps

DIMENSIONS:

- 2.75"H x 8.5"W x 10.25"D (8 Port), 3.25"H x 17.5"W x 11.15" D (16 Port)

WEIGHT

- 4.75 lbs (8 Port), 9.75 lbs (16 Port)

- Warranty is one year, parts and labor