



TEMPEST Level I, Level II and Zone Media Converter 10 Base

Product Data

Model - DNT-401 (Level I), DNL-401 (Level II) and DNZ-401 (Zone A)

Description

The API TEMPEST Media Converter/10Base is a member of the modular FlexPoint converter product family. The TEMPEST Media Converter/10Base supports the IEEE 802.3 standard and provides an extensive range of connectivity options across different media.

API's TEMPEST Media Converter is a 10Base-FL to 10Base-T converter that converts between shielded twisted pair (STP) and fiber LANs and joins their collision domains. It supports half-duplex and full-duplex operations. In the 10 Mbps half-duplex, the Media Converter connects among hubs, switches and workstations. In 20 Mbps full-duplex, it connects between switches, or between switches and high bandwidth servers and workstations.

On the fiber side, the TEMPEST Media Converter uses ST, SC (optional) connectors and features an 850 nm multimode interface.

On the STP side, the TEMPEST Media Converter uses a modular EIA/TIA 568 RJ45 connector that supports categories 3, 4 or 5 wiring and is limited to a distance of 2 meters. The DNT-401 detects and corrects wiring polarity reversals.

API's TEMPEST Media Converter provides diagnostics data through LED indicators that assist in network installation and maintenance.

Features

- Certified to NSTISSAM TEMPEST/1-92 Level I, Level II, Zone and NATO SDIP-27 A & B standard (formerly AMSG 720B & AMSG 788A)
- An IEEE 802.3 compatible 10Base-FL fiber to 10Base-T twisted pair converter
- Automatically adapts to 10 Mbps half-duplex or 20 Mbps full-duplex Ethernet extensions to provide high bandwidth connection between switches, hubs, servers, workstations and PCs
- Supports EIA/TIA 568 shielded twisted pair (STP) categories 3, 4 and 5 wiring
- LEDs make installation intuitive and easy
- Features automatic polarity detection, correction and indication





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Specifications

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Protocol: IEEE 802.3, 10Base-FL, 10Base-T

Interface Connectors and Cables

Twisted Pair STP: RJ45, Category 3 (EIA/TIA 568A/B)
Fiber Optic: ST, SC
Multimode (MM): 50/125, 62.5/125, 100/140 um

Supported Distances

Twisted Pair STP:2 m
MM 850 nm fiber:2 km/1.2 mi

Indicators

Power: LED, Yellow, power applied
Fiber Link: LED, Green, device detected
Fiber Receive: LED, Green, data received
STP Link: LED, Green, device present
STP Receive: LED, Green, data received
STP Polarity: LED, Yellow, polarity corrected

Dimensions

Depth7 in.
Height 1.74 in.
Width8 in.
Weight 2.3 lbs.

Power 100-240 VAC, 47-63Hz, 0.25A max.

Environmental Parameters Temperature

Operating0 to 70 degrees C
Storage -40 to 80 degrees C
Humidity 9 VDC/500 mA or 5 VDC/750 mA

Warranty

3-year on parts and labor

Advanced Programs, Inc. is an NSA-endorsed test services facility and an NSA-endorsed TEMPEST manufacturing facility.

Technical Specifications are subject to change without notice. U.S.A. export controls apply to these products. EOE

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