



# TEMPEST Level I, Level II and Zone Media Converter 100 Base

**Product Data**

Model - DNT-402 (Level I), DNL-402 (Level II) and DNZ-402 (Zone A)

## Description

API's TEMPEST Media Converter is a member of the modular FlexPoint product line. The TEMPEST Media Converter supports IEEE 802.3 standard and provides an extensive range of connectivity options across different media types.

This rate converter features one 10/100 auto-sensing UTP port that adjusts its speed to the speed of the attached device. In addition, the FlexPoint 10/100 automatically negotiates and provides full-duplex or half-duplex capability to maximize network bandwidth.

The fiber port operates at 1300 nm and features SC or ST connectors. Multimode fiber models support distances of up to 2 km.

Using its store-and-forward technology with 1-Mbyte buffer memory, the TEMPEST Media Converter supports a full wire-speed of 148,800 64-byte packets per second simultaneously in both directions.

Each port of the TEMPEST Media Converter is capable of MAC address learning and aging with support for up to 1,024 MAC addresses, as well as packet filtering and forwarding. The TEMPEST Media Converter checks all packets and discards illegal or corrupted packets thus providing fragment-free packet forwarding and enhancing the overall network performance.

## Features

- Certified to NSTISSAM TEMPEST/1-92 Level I, Level II, Zone and NATO SDIP-27 A & B standard (formerly AMSG 720B & AMSG 788A)
- The UTP port supports 10/100 and half/full duplex auto-sensing
- Supports 10Base-T, 100Base-Tx, 100Base-Fx and IEEE 802.3 specifications
- Wall-mountable or rack-mountable
- The fiber port supports full duplex, multimode (MM) on SC or ST connectors, and supports distances up to 2 km





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## Specifications

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**Protocol:** .....IEEE 802.3  
Ethernet: .....10Base-T  
Fast Ethernet .....100Base-Tx, 100Base-Fx  
Flow Control .....802.3x

### Basic Features

MAC Addresses .....1,024  
Buffer Size .....1 MB

### Connectors and Cables

Twisted Pair STP: .....RJ45, Category 5 (EIA/TIA 568)  
Fiber: .....SC or ST  
Multimode (MM): .....50/125, 62.5/125, 100/140 μm

### Supported Distances

	Half-Duplex	Full-Duplex
10/100 UTP:	100 m / 328 ft.	100 m / 328 ft.
100BASE Fiber:		
MM/Lx, 1300 nm: .....	.2 km / 1.2 mi.	
SM/Lx, 1300 nm: .....	.28 km / 16.8 mi.	
SM/Lx/LH, 1300 nm: .....	.58 km / 36 mi.	
SM/XLH, 1550 nm: .....	.85 km / 52.8 mi.	
SM/SLH, 1550 nm: .....	.110 km / 68.4 mi.	

### Indicators

Power: .....LED, Yellow, power applied  
UTP Auto-Negotiation: .....LED, Green, Auto Negotiation enabled  
UTP Duplex Mode: .....LED, Green  
UTP Link/Receive: .....LED, Green, link detected / data received  
UTP 10 Mbps: .....LED, Yellow, 10 Mbps link detected  
UTP 100 Mbps: .....LED, Green, 100 Mbps link detected  
Fiber Duplex Mode: .....LED, Green  
Fiber Link / Receive: .....LED, Green, link detected / data received

### Dimensions

Depth .....7 in.  
Height .....1.74 in.  
Width .....8 in.  
Weight .....2.3 lbs.

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

### Environmental Parameters Temperature

Operating .....0 to 70 degrees C  
Storage .....-40 to 80 degrees C  
Humidity .....0-90% (non-condensing)

### 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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