



# TEMPEST Level I, Level II and Zone Switch

## Product Data

Model - DNT-104 (Level I), DNL-104 (Level II) and DNZ-104 (Zone A)

## Description

API's TEMPEST Switch is based on the Cisco Catalyst 3750V2-24FS switch. The DNT-104 switch is a next-generation energy-efficient Layer 3 Fast Ethernet stackable switch. This new switch supports Cisco® EnergyWise technology, which enables companies to measure and manage power consumption of network infrastructure and network-attached devices, thereby reducing their energy costs and their carbon footprints. The DNT-104 consumes less power than its predecessors and is the ideal access layer for enterprise, retail, and branch-office environments, as it increases productivity and investment protection by enabling a unified network for data, voice, and video.

- Lower power consumption than its predecessors
- Backward compatible with the API DNT-102 (Cisco Catalyst 3750) switch
- EnergyWise support to monitor energy consumption of network infrastructure and implement energy saving programs to reduce energy costs
- Open Shortest path First (OSPF) routing with IP Base feature set
- 24 GLC-FE-100FX 100MB Fiber interfaces with LC connection
- Compatible with Cisco Redundant Power System (RPS) 2300
- Uniform depth of 11.9 inches on all units for better cable management
- IPv6 routing included in the IP Services feature set
- Stackable, fixed-configuration switches with Cisco StackWise™ technology and a 32-Gbps interconnect for a unified, resilient system of up to nine switches
- Layer 2-4 switching and intelligent services with dynamic IP routing
- Delivers powerful Gigabit Ethernet connectivity with a full suite of Gigabit Interface Converter devices

## Features

- Certified to NSTISSAM TEMPEST/1-92 Level I, Level II, Zone and NATO SDIP-27 A & B standard (formerly AMSG 720B 720B & AMSG 788A)
- 24 100BASE-FX ports plus 2 SFP-based Gigabit Ethernet ports
- 32-Gbps, high-speed stacking bus
- Innovative stacking technology
- 1 RU stackable multilayer switch





# TEMPEST Level I, Level II and Zone Switch

## Specifications

Model - DNT-104 (Level I), DNL-104 (Level II) and DNZ-104 (Zone A)

### Base Configuration

- 1 RU Stackable multilayer switch
- 24 100BASE-FX ports: LCconnectors
- 32-Gbps, high speed stacking bus
- Cisco Standard Multilayer Image IOS installed
- Console Management Port and RJ-45 to DB9 cable
- Stack Wise stacking ports disabled (optionally enabled)
- Memory: 32MB Flash
- 2 Small Form Factor Pluggable (SFP) GigaBit Ports
- AC Power cord

### Mechanical

- Height (1U) .....1.73 in. (4.4 cm)
- Width .....17.5 in. (44.5 cm)
- Depth .....11.8 in. (30.1 cm)
- Weight .....12.5 lbs. (5.7 kg)

### Operating Environment

#### Temperature

- Operating .....32 to 113°F (0 to 45°C)
- Storage .....-13 to 158°F (-25 to 70°C)
- Humidity .....10-to 85% (non-condensing)

#### Altitude

- Operating .....Up to 10,000 ft (3049 m)
- Storage .....Up to 15,000 ft (4573 m)

### Power

- Power Supply Rated Maximum Consumption .....135W
- Measured 100% Throughput Power Consumption .....55.2W
- Measured 5% Throughput Power Consumption .....54.2W

#### AC Input Voltage and Current

- Voltage (autoranging) .....100 to 240 VAC
- Current .....2A to 1A
- Frequency .....50 to 60 Hz

### Available Options

#### Software

DNT104-EMISW: Cisco Enhanced Multilayer Image (EMI); IP Services upgrade for the Cisco Catalyst 3750 v2 Series Switches. Advanced IP routing for IPv4 and IPv6

#### GigaBit Interface Converters

DNT104-SXSFP : GLC-SX-MM: 1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength LC connector SX transceiver

#### Port Option

DNT104-SWP : Stackwise Ports Enabled. StackWise 50CM Stacking Cable

### Warranty

1-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. E & OE - 1/24/12



#### HEADQUARTERS - UNITED STATES

Advanced Programs, Inc.  
7125 Riverwood Drive  
Columbia, MD 21046 U.S.A.  
Phone: 410-312-5800 Fax 410-312-5850  
<http://www.advprograms.com>

#### UNITED KINGDOM

API Europe Limited  
Vanitec House, Cornbrash Park  
Chippenham, Wiltshire, SN14 6RA, UK  
Phone +44(0)1249 448777 Fax +44(0)1249 448765  
<http://www.api-europe.com>