



# TEMPEST Level I All-in-One Multi-Domain Computer

**Product Data**

Model - DHT-109 (Level I)

## Description

API's DHT-109 All-in-One Multi-Domain TEMPEST Level I computer offers top performance using Intel® Core™ 2 Duo CPU technology. The DHT-109 utilizes low power components that increase energy savings by more than half over standard desktop configurations. The low wattage components also allow the DHT-109 to operate without fans resulting in noise-free operation and maximized reliability.

Modular, scalable and transitional options permit either Thin Client or PC configurations. The sleek All-in-One design features an integrated 22" widescreen display. The DHT-109's space saving features are offered at their best resulting in a non-clutter, operational environment.

The DHT-109 can be ordered with an embedded red-black KVM switch allowing a single TEMPEST display, keyboard and mouse to access both high and low-side networks. This is achieved by the secure TEMPEST Level I computer contained within and a low-side computer connected externally via the isolated KVM port.

The combined features greatly improve security configuration control and eliminate the security risks associated with interconnected equipment from different suppliers at a system level.

## Features

- Certified to NSTISSAM TEMPEST/1-92 Level I and NATO SDIP-27 A standard (formerly AMSG 720B)
- Equipped with Intel® Core 2 Duo Processor
- Up to 4GB DDR2 Synch Dram
- An integrated 22" widescreen TFT active matrix LCD provides high resolution and excellent contrast ratio
- Intel® GME965 Express chipset with Intel Graphics
- Media Accelerator X3100, providing sharper images and higher performance on the demanding applications of today and tomorrow
- Configuration options that include lockable/removable solid-state hard drives for high reliability.
- Hassle free quick-connect interface connectors
- Fiber100BaseFX or 1000BaseSX
- Available in a Thin Client diskless configuration
- DataKey security options
- Optional: integrated Red/Black KVM Switch
- Microsoft® Windows® XP/Vista Compliant
- Industry leading three-year warranty





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**Specifications**  
Model - DHT-109 (Level I)

## Processor

Intel Core 2 Duo, 2.2GHz T7500, 4MB L2 Cache, 800MHz FSB

## Chipset

Intel® GME965 chipset

## Memory

1GB DDR2 Synch Dram PC2-5300 (667-MHz) Non ECC (1 x 1GB) standard. Two DDR2 sockets supporting up to 4GB DDR2 SDRAM

## Graphics

Integrated VGA Intel® GME965 integrated graphics (GMAX3100)

## Display

LCD Size: ..... 22"  
Aspect Ratio: .....16:10  
Minimum Contrast Ratio:: ..... 1000:1  
Native Resolution: ..... 1680 x 1050  
Height adjustable stand

## Available I/O Ports

Power plug  
Datakey Token Receptacle  
Serial, 1 standard 9 pin D-sub interface  
USB, 4 quick connect tool-less mini-connector  
TEMPEST Mouse, 3 ft. cable, tool-less connector  
TEMPEST Keyboard, 3 ft cable tool-less connector  
KVM switch option: External Video, Keyboard and Mouse  
1 Parallel Port

## Power

Autosensing power supply  
Frequency: .....50-60 Hz  
Max. Power: .....150 Watt

## Operating System

Windows XP Professional SP2, Windows Vista Business 32, Windows Vista Business 64, XP embedded

## Available Options

Media Devices  
Optical Drive

## Hard Drives

### Rotating Rugged Hard Drives

100-GB SATA 3.0-Gb/s Removable /Lockable Rugged Hard Drive (16MB Cache, 7200 RPM) - 350G operating shock,1000G non-operating shock  
Second 100-GB SATA 3.0-Gb/s Removable /Lockable Rugged Hard Drive 16MB Cache, 7200 RPM) - 350G operating shock, 1000G non-operating shock

### Solid State Rugged Hard Drives

32GB SATA 1.5-Gb/s Removable/Lockable Solid State Rugged Hard Drive  
Second 32GB SATA 1.5-Gb/s Removable/Lockable Solid State Rugged Hard Drive  
64GB SATA 1.5-Gb/s Removable/Lockable Solid State Rugged Hard Drive  
Second 64GB SATA 1.5-Gb/s Removable/Lockable Solid State Rugged Hard Drive

## Removable Storage

Integrated receptacle w/ Datakey NFX Token

## Network

Fiber 100BaseFX, 1000BaseSX

## Physical Specifications

Height ..... 17.6" (44.7 cm)  
Width .....20.4" (51.8 cm)  
Depth .....10.7" (27.2 cm)  
Weight w/Stand .....42 lbs (19.05 kg)

## Shipping

Height ..... 21" (53.34 cm)  
Width .....25" (63.58 cm)  
Depth .....19" (27.2 cm)  
Weight w/Stand .....45 lbs (48.26kg)

## Operating Environment

Temperature  
Operating ..... 50° to 95° F (10° to 35° C)  
Non- Operating ..... -22° to 140° F(-30° to 60° C)

### Humidity

Operating ..... 20% to 80%  
Non- Operating ..... 10% to 90%

### Altitude

Operating ..... 0 to 10,000 Ft (0-3,048m)  
Storage ..... 0 to 30,000 Ft (0-9,144m)

## 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.

E & OE - 1/18/11



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