



TEMPEST Level I, Level II and Zone Workstation

Product Data

Model - DWT-110 (Level I), DWL-110 (Level II) and DWZ-110 (Zone A)

Description

API's TEMPEST business class workstation is based on the HP® 8000 Elite Convertible Minitower and meets NSTISSAM TEMPEST/1-92 Level I, Level II, Zone and NATO SDIP-27 A & B standards.

This convertible mini-tower workstation is engineered for demanding, secure office environments. It features a serviceable platform that remains stable and consistent throughout the product life.

System Design

The API TEMPEST workstation combines Intel® Quad™ 2 Duo Processor technology with the proven engineering, integration and packaging capabilities of API. The platform design features support for future technologies, stability, expendability and security.

Product Features

Utilizing the latest Intel Q45 Express chipset, this workstation provides the TEMPEST user with new and unique features and options in an up-to-date desktop or mini-tower system. Optionally providing S-ATA drives and multiple high speed USB ports, it is equal in performance and capabilities to any leading-edge corporate PC. HP® Protect Tools™ combined with Intel Active management technology provide advanced security and manageability. Long life cycles with managed transitions facilitate extended deployments. Workstation is available with optional high resolution LCD monitor, microphone and headset.

Features

- Certified to NSTISSAM TEMPEST/1-92 Level I, Level II, Zone and NATO SDIP-27 A & B standard (formerly AMSS 720B & AMSS 788A)
- Up to Intel® Core 2 Quad Q9650 Processor
- Optional configuration with multiple hard disk drives in a RAID array
- Desktop/Tower Configuration
- Locking Removable Hard Drive carriers
- Slots: 3 full-height PCI, 1 full-height Express X1 and 2 full-height Express X16
- Microsoft® Windows® XP, Windows Vista®
- Energy Star® Compliant
- Up to 8 USB Ports
- Industry leading three-year warranty





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Specifications

Model - DWT-110 (Level I), DWL-110 (Level II) and DWZ-110 (Zone A)

Processor

Up to Intel® Core 2 Quad Q9650 Processor 3.0 GHz, 12M L2 cache, 1333 MHz FSB with vPro Technology
Optional processors available

Chipset Intel® Q45 Express chipset
Maximum Memory 16GB (1,333MHz DDR3 SDRAM)
Drive Bays Three-5.25", Three-3.5"

Expandability

(3) full-height PCI slots, (1) full-height PCI Express x1 slot, (2) full-height PCI Express x16 slots

Video

Integrated Intel Media Accelerator 4500

See options below for dual video output

Keyboard/Mouse

Optical 2-button wheel mouse
104 key keyboard w/6ft. cable

Power

Autosensing Power Supply, Power Cord, 6ft.100-240 VAC

Frequency 50-60 Hz
Max. Power 365 Watt

Operating System

Preinstalled: Genuine Windows® Vista Business 32, Genuine Windows Vista Home Basic1, Genuine Windows 7 Home Basic Edition (32-bit), Genuine Windows 7 Home Premium Edition (32-bit or 64-bit), Genuine Windows 7 Professional Edition 32-bit or 64-bit, Genuine Windows 7 Professional Edition with a custom own grade to Genuine Windows XP Professional, FreeDOS. Supported: Genuine Windows Vista Enterprise Edition, Genuine Windows 7 Enterprise Edition, Genuine Windows 7 Ultimate Edition, Novell SUSE Linux Enterprise Desktop 114. Certified: Red Hat Desktop RHEL.

Sound

Integrated high definition audio with internal speaker (disabled upon request)

Storage -Standard

Behind door
160-GB SATA 3.0-Gb/s Removable Hard Drive (8MB Cache, 7200 RPM, NCQ, Smart IV)

See below for additional storage options

Available Options

Media Devices

CD-RW/DVD-ROM Combo Drive
SuperMulti LightScribe DVD Writer Drive
Smart Card Reader
Media Card Reader.

Hard Drives

250-GB SATA 3.0-Gb/s 3.5" HD (8MB Cache, 7200 RPM, NCQ, Smart IV)
320-GB SATA 3.0-Gb/s 3.5" HD (8MB Cache, 7200 RPM, NCQ, Smart IV)
500-GB SATA 3.0-Gb/s 3.5" HD (16MB Cache, 7200 RPM, NCQ, Smart IV)
1-TB SATA 3.0-Gb/s 3.5" HD (16MB Cache, 7200 RPM, NCQ, Smart IV)
2nd 3.5" HD, 160-GB SATA 3.0-Gb/s 3.5" HD (8MB Cache, 7200 RPM, NCQ, Smart IV)
2nd 3.5" HD, 250-GB SATA 3.0-Gb/s 3.5" Hard Drive (8MB Cache, 7200 RPM, NCQ, Smart IV)
2nd 3.5" HD, 320-GB SATA 3.0-Gb/s 3.5" Hard Drive (8MB Cache, 7200 RPM, NCQ, Smart IV)
2nd 3.5" HD, 500-GB SATA 3.0-Gb/s 3.5" Hard Drive (16MB Cache, 7200 RPM, NCQ, Smart IV)
2nd 3.5" HD, 1-TB SATA 3.0-Gb/s 3.5" Hard Drive (16MB Cache, 7200 RPM, NCQ, Smart IV)

Rugged Hard Drives w/Removable Carrier

160-GB SATA 2.5" Hard Drive
250-GB SATA 2.5" Hard Drive
500-GB SATA 2.5" Hard Drive

Solid State Hard Drives w/ Removable Carrier

64-GB SATA 2.5" Solid State Hard Drive

Memory

Up to 16-GB DDR3 SDRAM

Input/Output

Serial port
One parallel port
Audio out
Up to 8 USB 2.0 Ports (2 front, 6 rear)
Mic in

Network

100MB/s, ST duplex
100MB/s, SC duplex
1000MB/s, SC duplex
1000MB/s, LC duplex

Video

Dual video output option

Input devices

Trackball Mouse
Ergonomic Keyboard
Headset
Microphone

Physical Specifications

Tower

Height 18.2 inches (46.23 cm)
Width 7.88 inches (20.02 cm)
Depth 19.42 inches (49.33 cm)
Weight 32.5 lbs. (14.7 kg)

Desktop

Height 7.88 inches (20.02 cm)
Width 18.2 inches (46.23 cm)
Depth 19.42 inches (49.33 cm)
Weight 32.5 lbs. (14.7 kg)

Ship Dimensions 23.38 x 13.06 x 22.88 in (59.39 x 33.17 x 58.12 cm)
Shipping Weight 43 lbs. (19.5 kg)

Operating Environment

Temperature

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

Humidity

Operating 10% to 90%
Non- Operating 5% to 95%

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 - 7/15/10

Realted Products

TEMPEST LCD Displays
TEMPEST B/W and Color Printers



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