



CLEARCUBE

ClearCube TEMPEST Level 1 Desktop Bundle

High-End Secure Performance, Virtualized Computing, Low-Power Consumption

US foreign embassies, NATO locations, Ministries of Defense, and ultra-high security US government facilities may now participate in IT virtualization initiatives using rugged ClearCube Technology Zero Clients which are modified for TEMPEST Level 1 security by AYON Cyber Security (ACS).

The bundle of zero client, 24" display, keyboard, and mouse is developed, tested and certified at the ACS NSA certified facility to meet the following TEMPEST standards:

- USA NSTISSAM-1-92 Level 1
- NATO SDIP-27 Level A (formerly AMMSG 720B)

A second TEMPEST Level 1 certified display may be added to create dual display functionality.



Benefits



PCoIP® technology delivers a desktop-quality computing experience over a secure, digital, fiber-optic connection



Seamless integration with VMware® Horizon View™



Significantly reduces management costs and complexity of satisfying TEMPEST 1 requirements



Tested and certified by ACS, a certified NSA facility to meet the following TEMPEST standards:

USA NSTISSAM-1-92 Level 1 and NATO SDIP-27 Level A (formerly AMMSG 720B)

Full PC Experience with TEMPEST Security over IP

Designed to U.S. and NATO standards, TEMPEST Level 1 certified ClearCube TEMPEST Level 1 Desktop Bundle components, CD7724T-L1 zero clients, display and keyboard/mouse deliver the highest level of security through the use of stateless operation at the user's desktop.

Zero clients have no local operating systems, memory, or storage, and they connect via AES256 encrypted protocol over a network to virtualized servers or dedicated ClearCube Blade PCs containing GPU host compression adapters. ClearCube CD7724T-L1 Zero clients have connections for desktop peripherals such as TEMPEST Level 1 certified dual displays, mice, and keyboards, but all data remains on virtualized servers or Blade PCs in the datacenter. Only pixels are transmitted from the host processors to the end points.

Administrators can quickly deploy zero clients and connect users to blades and to VMs over a switched Ethernet network or through direct connections. ClearCube's transparent desktop extension technology leverages PCoIP™ technology to enable CD7724T-L1 desktop zero clients to break the distance barrier, delivering a "perfect" high-end PC experience via the network for up to two displays, while transparently redirecting USB from the desktop back to the ClearCube PC blade, SmartVDI host platform, or 3rd party VDI platform.



Zero Client CD7724 T-L1

TEMPEST L1 Desktop

TEMPEST Level 1 customers can now benefit from the operational cost-savings, increased security, higher availability, and better device management that desktop virtualization offers.

CD7724T-L1's integrated smart card reader supports 1.3v PIV, 3.5v SIPR Token and 5v CAC authentication cards.

Fiber connections for 100Base-FX and 1000Base-SX network infrastructures are supported via CD7724T-L1's SFP modules using LC connectors.



CD7724T-L1 Front View



CD7724T-L1 Rear View

ClearCube TEMPEST Level 1 Desktop Bundle Specifications

Zero Client Specs	Teradici TERA2321 PCoIP™
Chipset	
Operating System	None
Display	Single: 1920x1080@60Hz: Color Depth: 8, 15, 16 or 24bpp Dual: 1920x1080@60Hz: Color Depth: 8, 15, 16 or 24bpp
Memory	32-bit 667Mhz DDR3 RAM (512 MB)
Connections	CD7724 T-L1 — 3 - D9 USB 2.0 Compatible ports Two dual link DVI-I Ports
Audio	D9 HD Audio Out and Audio In
IO Devices	D9 TEMPEST L1 certified Keyboard D9 TEMPEST L1 certified Mouse
Network	Fiber SFP module ready (specify 100Base-FX; 1000Base-FX)
Power Supply	Power connection for auto-sensing power adapter Universal 100-240 VAC, 50-60Hz Output: 12 V DC, 3A
Max Consumption	15 Watts (Avg 6W)
Client Dimensions	2.5 inches (h) x 8 inches (w) x 9 inches (d)
Shipping Weight	Zero client is approximately 3.2 pounds
Environment	Stationary office installation, 0° to 35° C
Display Specifications	
Display Type	24" (23.6" Viewable) Wide Color TFT Active Matrix LED
Display Area	20.5" horizontal x 11.5" vertical; 23.6" diagonal
Optimum Resolution	1920x1080 Full HD
Connections	DVI-I (with HDCP) for TEMPEST Level 1
Power	AC 100-240V; 32W typical, 19W eco mode; 15W power save mode
Operating Temp	32-104oF (0-40oC)
Dimensions	W Stand 22.2"x17.4"x9.8" Packaging 25.3"x20.7"x11.9"
Weight	Combined gross shipping weight: 40 lbs.

ACS TEMPEST products are CTP II certified by Ayon CyberSecurity. ACS is an NSA Certified TEMPEST Manufacturer and Test facility



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Ordering Information

Use one of the following part numbers to order your ClearCube TEMPEST Level 1 Desktop Bundle:

Model	Part Number	Description
TEMPEST L1 Bundle	CD7724T-L1	Complete Desktop - CD7724T-L1 TEMPEST L1 Zero Client, 24" TEMPEST L1 Display, TEMPEST L1 Keyboard, and Mouse
Additional L1 Display	G0800228	AY-2428-VS-L1 24" TEMPEST Level 1 Display

NOTE: *Remember to specify 100Base-FX or 1000Base-SX

Call: (866) 652-3500 Email: sales@clearcube.com
to order or for more information.