



CPZ

RUGGED ZERO CLIENT SYSTEM

The CPZ-156 is a high performance Zero Client utilizing the PCoIP Protocol for the ultimate in security with no operating system or user accessible non-volatile memory. As a true zero client, this device requires zero configuration and management, and offers zero attack surfaces for viruses and malware. This provides the optimal user end-point for virtual desktop environments such as VMware and Amazon WorkSpaces. Designed to be a state-of-the-art secure information device, the CPZ-156T is designed for security, first and foremost. Utilizing the industry standard PCoIP Protocol, our Zero Clients are designed to be compliant with currently available Desktop Zero Client systems and configurations - but in a rugged form factor for deployment abroad. To further ensure security, the CP Technologies' CPZ-156T is powered through the IEEE-802.3at Power over Ethernet connection. This means a single push-pull connector is all that is required to lose all display information on the Ruggedized Client. As in all true Zero Client architectures, no information is ever contained on the Client, it is just an encrypted rendering of the actual virtualized desktop on the server.

FEATURES

- Robust Network Protection
- Comprehensive Patch/Version Management
- Rugged Design
- Power over Ethernet
- Revision-Controlled Components
- Optional Carrying Case



Who We Are

CP Systems designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Systems provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP Systems is an ITAR Registered and ISO 9001:2015 Certified business that has been operating for over twenty years.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

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TECH SPECS

DIMENSIONS

15" (wide) x 9.5" (high) x 1.5" (deep)

WEIGHT

6.0lbs (2.7 kg) / 15lbs (6.8 kg) in Protective Case

CONSTRUCTION

Rugged Aircraft-Grade 0.062" 5052-H32 Aluminum Construction
Integrated Multi-Touch Panel Interface
Fully Configurable Peripheral Ports for Human Interface Devices (HID) or Secondary Authentication
Integrated Stand for Easy Viewing

DISPLAY:

High Quality 15.6" LED Backlit TFT LCD w/Antiglare Hard Coating
Borosilicate Strengthened Cover Glass

DISPLAY SPECS

ACTIVE AREA
COLORS
RESPONSE TIME
VIEWING ANGLE
CONTRAST RATIO
BRIGHTNESS
PIXEL PITCH
RESOLUTION
VERTICAL FREQUENCY

13.5" x 7.6" (344mm x 194mm)
18 bit (256K)
(Tr/Tf) 6ms/3ms
80/80/70/70deg (L/R/T/B)
700:1 typical
300cd/m2 typical
0.179mm x 0.179mm
1920 x 1080
60Hz

TOUCH SPECS

TYPE
NUMBER OF TOUCH POINTS
INPUT METHOD
OPERATING FORCE
RESOLUTION
RESPONSE TIME
ACCURACY

Projected Capacitive
10
Conductive Stylus (finger)
0G
4096 x 4096
<25 ms
< +/- 1%

ZERO CLIENT SPECS

PROCESSOR
MEMORY

Teradici TERA2321 PCoIP
32MB Flash (Firmware)
512MB DDR3

CERTIFICATIONS

VMware Ready
PCoIP Connected

USB
NETWORKING

(2) USB 2.0 for HID
Networking: 10/100/1000 Base-T
IEEE 802.3at Compliant

POWER SPECS

NORMAL
POE POWER INPUT
AUX POWER INPUT

20W
IEEE 802.3at Compliant
12 VD +/- 5%

STANDARD AND CENTRALIZED MANAGEMENT

COST EFFECTIVENESS

Efficient Operations and Maintenance (O&M) through Reduced Touch Labor
Reduced Tech Refresh
Enterprise Application/License Identification and Rationalization
Elimination of Outdated Software

MISSION EFFECTIVENESS

Computing Capability
Application/Data Availability
Network and Data Resilience and Reliability
Remote Access
Interoperability
Resource Allocation
User Device Flexibility

SECURITY

Robust Network Protection
Fewer End User Vulnerabilities
Minimal Attack Surface Area
Comprehensive Patch/Version Management
Rapid/Frequent State Restoral
Data-at-Rest Security
Identity and Access Management

IT ASSET VISIBILITY

Improved Projection and Planning
Accurate Budgeting and Programming
Clinger-Cohen Act
IT Architecture Control
Cost Control
Mission Application/Data Consolidation
Standardized and Centralized Management

QUESTIONS?

Reach out to us at
CP-Systems.Tech
or call 858.571.4330

ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-DTL-901, in addition to FCC, UL, CE, and country specific agency requirements

FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA