Rugged Enterprise Class
Rugged Zero Client - Optimized for VMware Horizon

CHASSIS PLANS®
Systems Engineered to Perform®

CPZ-156T

*Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered*

The CPZ-156 is a high performance VMware optimized 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 based on VMware Horizon with View.

Zero Client

Designed to be a state-of-the-art secure information device, the CPZ-156T is designed from the beginning for security, first and foremost. Utilizing the industry standard PCoIP Protocol (Teradici Chipset), Chassis Plans' Zero Clients are designed to be compliant with currently available Desktop Zero Clients but in a rugged form factor for deployment abroad. To further ensure security, the Chassis Plans' 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 (VDI) on the server.

Benefits

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

Applications

- Deployable Networks
- Energy
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- Public Safety
- Automation
- Transportation

**For more information visit
www.chassis-plans.com
or call 858.571.4330**

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Chassis Specifications

DIMENSIONS

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

WEIGHT / SHIPPING WEIGHT

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

ENCLOSURE FEATURES

Rugged Aircraft-Grade 0.062" 5052-H32 Aluminum Construction
Designed to Satisfy Military, Industrial and Commercial Requirements
Integrated Multi-Touch Panel Interface
Fully Configurable Peripheral Ports for Human Interface Devices (HID)
  or Secondary Authentication
Integrated Stand for Easy Viewing

Standardized and Centralized Management

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 Projecion and Planning
Accurate Budgeting and Programming
Clinger-Cohen Act
IT Architecture Control
Cost Control
Mission Application/Data Consolidation

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

Computer Specifications

CPZ-156T

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

Display Active Area:	13.5" x 7.6" (344mm x 194mm)
Display Colors:	18 bit (256K)
Response Time:	(Tr/Tf) 6ms/3ms
Viewing Angle:	80/80/70/70deg (L/R/T/B)
Contrast Ratio:	700:1 typical
Brightness:	300cd/m2 typical
Pixel Pitch:	0.179mm x 0.179mm
Resolution:	1920 x 1080
Vertical Frequency:	60Hz

TOUCH PANEL SPECIFICATIONS

Type:	Projected Capacitive
# of Touch Points:	10
Input Method:	Conductive Stylus (finger)
Operating Force:	0G
Resolution:	4096 x 4096
Response Time:	<25 ms
Accuracy:	< +/- 1%

ZERO CLIENT SPECIFICATIONS

Processor:	Teradici TERA2321 PCoIP
Memory:	32MB Flash (Firmware)
	512MB DDR3
Certifications:	VMware Ready
	PCoIP Connected
Peripheral(s):	(2) USB 2.0 for HID
Networking:	10/100/1000 Base-T
	IEEE 802.3at Compliant
Ethernet:	12 Pin Push/Pull
Peripherals:	6 Pin Push/Pull

POWER CONSUMPTION

Normal:	20W
PoE Power Input:	IEEE 802.3at Compliant
Aux Power Input:	12 VD +/- 5%

ENVIRONMENTAL

Operating Conditions:

Temperature:	-10°C to 60°C (14°F to 140°F)
Humidity:	10% to 90% non-Condensing
Altitude:	12,000 feet

Storage Conditions (Non-Operating):

Temperature:	-20° to 60°C (-4°F to 140°F)
Humidity:	5% to 95% non-Condensing
Altitude:	40,000 feet

Designed to Meet Mil-STD 810G

ORDERING GUIDE

Ordering Code	Description
CPZ-156T	Zero Client, 15.6" FHD LCD Display, 802.3at

Who We Are

CHASSIS PLANS

- Chassis Plans designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.
- Using COTS components, Chassis Plans 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.
- Chassis Plans is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over a decade.

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-S-901, in addition to FCC, UL, CE, and country specific agency requirements

YOUR CONFIGURATION. ONE PART NUMBER.

- It's our mission to make your life easier. Our Sales Engineers will help you select the right configuration for your project, making sure the details are analyzed and that the system meets your specifications.
- One part number means easier procurement and less paperwork for you.
- Dedicated Sales and Program Managers.
- Last time buy opportunities for end-of-life components.

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

QUALITY COUNTS

- ISO 9001:2008 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
- Assembled in the USA

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Chassis Plans
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