



# STCS

## SMALL TACTICAL COMPUTER SYSTEMS

CP North America's STCS are small form factor modules that provide powerful processing performance optimized for virtualization applications, gigabit switching with PoE and 18 minutes of sustained battery backup time at 400W. All modules are ROHS compliant and made with high-strength 5052-H32 aircraft-grade aluminum. CP STCS are optimized for low size, weight and power (SWaP) to meet the demands of portability, reliability, and performance.

These systems accommodate flexible mounting options with brackets that can be mounted in a discrete standalone configuration, to a bulkhead, in a half rack/case, or a standard 19" rack. In a sealed system configuration, these STCS are designed for IP65 environments, as well as harsh environmental specs such as MIL-STD-810 and 461.



## CHASSIS SPECIFICATIONS

### CONSTRUCTION

Sheet/Milled Aluminum  
ROHS Compliant  
Clear Chem Film and Black Powder Coating  
IP65 Compliant Sealing for Storage  
Conduction Cooled

### DIMENSIONS

22.25"H x 15.66"W x 24"D

## HARSH ENVIRONMENTS

CP North America designs, builds, and tests our ruggedized offerings to meet MIL-STD-810 and 461. This includes environmental factors such as:

- **HIGH ALTITUDE**
- **EXTREME HIGH & LOW TEMPERATURES**
- **EMI**
- **HUMIDITY**
- **BLOWING SAND AND DUST**
- **VIBRATION**
- **SHOCK**

## Who We Are

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

Using COTS components, CP North America 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 North America 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**

**CP North America**  
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Prescott, AZ 86301  
cpna.tech  
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# TECH SPECS

## SERVER SPECIFICATIONS

<b>CPU</b>	Intel Core options available
<b>MOTHERBOARD</b>	Mini-ITX Form Factor Board
<b>SYSTEM MEMORY</b>	Varies by configuration
<b>NETWORKING</b>	2x Gigabit Ethernet
<b>STORAGE</b>	2x 2.5" Drives, up to x4 depending on configuration 1x M.2 NVME for OS
<b>ADDITIONAL IO</b>	4x USB 3.2, 2x USB 3.2 Internal, 2x USB 2.0 Internal, 1x 3.5mm Audio
<b>DIMENSIONS</b>	3.45"H x 9.125"W x 11.25"D

## POE SWITCH SPECIFICATIONS

<b>SYSTEM BOARD</b>	Embedded Cisco IE-3400-8P2S-E
<b>NETWORKING</b>	8x Gigabit Ethernet ports with PoE
<b>DIMENSIONS</b>	3.45"H x 10.20"W x 10.125"D

## UPS SPECIFICATIONS

<b>INPUT</b>	AC Voltage 100 - 264Vac, 20A 47 to 440Hz
<b>OUTPUT</b>	20Vdc to 29Vdc
<b>BATTERY</b>	LPF battery ~18 min Hold Time @ 400W ~6 min Hold Time @ 1000W
<b>DIMENSIONS</b>	3.45H x 11.25D x 9.125w x 11.25D

**QUESTIONS?**  
Reach out to us at  
cpna.tech  
or call 928.239.9500

### 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

### 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

### FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 50,000 sqft and has dedicated areas for manufacturing and engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

### QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a rigorous system test and burn-in before shipment to the customer
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

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