



CPX

8RU RUGGED TOUCHSCREEN MONITOR

RUGGED DISPLAY

The CPX1-19 rackmount LCD displays offer all the features you need for your harsh environment application. These extremely rugged, military-grade displays are engineered to meet MIL-S-901 and MIL-STD-810.

The LCDs are best in class offering LED backlights and revision controlled long product availability. Sophisticated military-grade LCD controllers are offered to accommodate input signals including DVI-I, HDMI, VGA (via adapter), DisplayPort.

Rugged 5052-H32 aluminum construction is a standard feature. An optional RhinoTouch® multi-touch touch screen is available.



CP North America's 2U-5U rackmount computer systems are designed with a removable back plate that allows a 12V power cord to run from the computer's power supply to a display or keyboard video monitor. This optional feature, the Exterior Power Jack, is available for this monitor. By running the display with the computer systems' power supply, this Exterior Power Jack option can provide many benefits:

- Reduction in the number of required cables
- Elimination of additional equipment, i.e., a power brick
- Reduction in total system weight and cost

To enjoy these benefits, power up your new display with a CP North America server.

CHASSIS SPECIFICATIONS

DIMENSIONS	19" x 13.97" x 3.2" (482.6mm x 354.8mm x 81.3mm)
SHIPPING WEIGHT	20.5lbs (9.3kg)
CONSTRUCTION	High-strength 5052-H32 aircraft-grade aluminum
POWDERCOATING	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture
PLATING	Chem-Film per MIL-C-5541F, Class 1A
MOUNTING OPTIONS	Rack mounting, panel mounting, VESA 100

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
2620 Deep Well Ranch Rd
Prescott, AZ 86301
cpna.tech
928.239.9500



TECH SPECS

MONITOR SPECIFICATIONS

SCREEN DIAGONAL	19"
CONTRAST RATIO	1000:1
VIEWING ANGLE	170° (L/R) 160° (U/D)
RESPONSE TIME	5ms
NATIVE RESOLUTION	1280 x 1024
BRIGHTNESS	350 cd/m ²
BACKLIGHT	LED
COLORS	16.7M
POWER INPUT	Universal AC Adapter 12VDC To CPNA Workstation 28/12 or 48/12V DC-DC Converter
POWER DISSIPATION	41 Watts
EXTERIOR POWER JACK	Yes (optional)
INPUTS	DVI-I HDMI DisplayPort
OPTIONS	Resistive Touchscreen Input EMI Shielding Vandal Shield Bonded Glass Hi-Bright Display

HARSH ENVIRONMENTS

CP North America designs, builds, and tests our ruggedized offerings to meet MIL-STD-810, 461, and 901. This includes environmental factors such as:

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

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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