



CPX

8RU RUGGED TOUCHSCREEN MONITOR

RUGGED DISPLAY

The CPX1-215 mount-on-rack display is ideal for many rugged military applications, particularly ones that require extensive screen space. The display is available with multiple panel treatments including a rugged resistive touchscreen. A bonded oleophobic anti-reflective glass overlay is standard and an optional ITO EMI coating is available. The advanced military grade LCD controller accepts virtually any video signal including optional HD-SDI. The controller provides advanced features such as picture-in-picture, picture-by-picture and text overlay.



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	21.5" x 13.9" x 3" (546.1mm x 353mm x 76.2mm)
SHIPPING WEIGHT	22lbs (9.98kg)
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

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TECH SPECS

SCREEN DIAGONAL	21.5"
CONTRAST RATIO	5000:1
VIEWING ANGLE	89° (L/R/U/D)
RESPONSE TIME	16ms
NATIVE RESOLUTION	1920 x 1080
BRIGHTNESS	300 cd/m ²
BACKLIGHT	LED
COLORS	16.7M
POWER INPUT	Universal AC Adapter 28/12V or 48/12V DC-DC Converter 12V CP Workstation Link
POWER DISSIPATION	50 Watts
EXTERIOR POWER JACK	Yes (optional)
STANDARD INPUTS	DVI-I HDMI 1.4 DisplayPort 1.2
OPTIONS	Vandal Shield Bonded Glass Resistive Touchscreen EMI Shielding

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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