CPX | RUGGED SQUARE FORMAT MONITOR

RUGGED DISPLAY

The CPX1-27 square rackmount LCD displays offer all the features you need for your harsh environment application. This extremely rugged, military-grade display is engineered to meet MIL-S-901 and MIL-STD-810.

The LCD is best in class offering revision controlled long product availability.

It can be driven from multiple video sources including DVI-I, HDMI, and DisplayPort. It supports Picture-In-Picture or Picture-By-Picture to allow multiple video streams to be viewed at once.

The display is designed for the harshest of environments, featuring aircraft-grade aluminum construction, optically bonded LCD cover glass, and locking steel hardware.

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**

Who We Are

**Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered**

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.

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

TECH SPECS

DIMENSIONS	23" x 22.75" x 3.2" (584.2mm x 577.85mm x 81.28mm)
TYPICAL WEIGHT	34lbs (15.42kg)
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	19" Rack mounting, panel mounting, VESA 100, VESA 200x400
SCREEN SIZE	26.5"
RESOLUTION	1920x1920
BRIGHTNESS	300cd/m2
CONTRAST RATIO	1000:1
RESPONSE TIME	14ms
VIEWING ANGLE	178˚
BACKLIGHT	LED
OPERATING TEMP	0˚ to 50˚
STORAGE TEMP	-20˚ to 60C˚
INPUT	DVI-I, HDMI, DisplayPort
POWER	12 VDC, 28VDC and AC options available
OPTIONAL FEATURES	EMI Shielding, Oleophobic Coating, Touchscreen, Illuminated Writing Surface Overlay

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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