CPX | LARGE FORMAT UHD INDUSTRIAL DISPLAY

INDUSTRIAL DISPLAY

The CPX1-32 32" 4K UHD LED display supports true 10-bit colors, achieving ultimate picture quality in clarity and color accuracy. Improved energy efficiency and fan-less architecture provides professional-use durability and around-the-clock operation.

The CPX1-32 is more than just a standalone monitor. It has a variety of embedded modules including:
HDMI Decoder, HDMI Extender, HDMI Quad Extender, Multi-Monitor OSD Controller, SDI Input and Portrait Mode Kit. The embedded modules give the ability of remote management and transmission for multiple displays over a network.

As a versatile 4K monitor, the CPX1-32 is meticulously designed to meet professional demands and survive harsh environmental factors with features such as:

- Sunlight readable brightness
- IP65 Front protection,
- Multi-touch
- Anti-reflective/Vandal proof glass
- DC power input
- Brightness dimming
- Mounting kit for Overhead tilted wall-mount
- Panel-mount, VESA-mount, Universal-mount
- Desktop stand.

With over 20 years' production experience, the CPX1-32 structure is well-engineered and manufactured by our own CNC facilities and team of experts to ensure its ruggedness, mobility and quality, as well as being suitable for harsh environment applications. The structure can be customized if required to facilitate monitor installation. Our knowledgeable engineers are able to provide frame customization for specific dimensions, color, metal treatment, screen printing, bezel and mounting.

CP North America's 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.

KEY SPECIFICATIONS

DISPLAY	32" 4K UHD 10-bit | 20ms response
BRIGHTNESS	300nits | 1500nits Available
CONTRAST	1000:1 (300nit) | 3000:1 (1500nit)
INPUT	DP 1.2 | HDMI 2.0 | HDMI 1.4
VIEWING ANGLE	89 Degrees L/R/U/D

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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Prescott, AZ 86301
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TECH SPECS

North America

DIMENSIONS	Up to 35.8" x 7.7" x 22.8" | 910 x 195 x 580 mm (varies with configuration)
SHIPPING WEIGHT	Up to 61.4 lbs (varies with configuration)
CONSTRUCTION	High-strength aircraft-grade aluminum
MOUNTING OPTIONS	Overhead tilted wall-mount, Panel-mount, 300x300 VESA-mount, Universal mount
AUDIO	3.5mm Input/Output, 2x 10W Speakers
POWER	24, 48, 125 VDC | 100-240 VAC | Up to 160W max power draw

OPTIONS

- HDMI Decoder over IP (FHD) Module
- HDMI Extender (FHD) Module
- HDMI Quad Display Module
- Multi Monitor OSD Control Module over serial
- 3G / HD / SD-SDI Input Module
- Portrait Mode Control Module
- Auto Brightness/Dimming Module
- Manual Brightness Knob

- Touchscreen (Infrared or Capacitive)
- MIL-STD-810, MIL-STD-461
- NEMA 4/IP65 protection
- Vandal-proof glass
- Anti-reflective Coating
- DC Power Input

HARSH CONDITIONS

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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