



# CPX

RACKMOUNT  
PANEL  
DISPLAY

The CPX1-241 mount-on-rack display is ideal for many rugged industrial applications, particularly ones that require extensive screen space. The display has an InfraRed Touch Screen and supports Multi Touch Gesture technology. A bonded oleophobic anti-reflective glass overlay is standard and an optional micromesh EMI Filter 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.

## KEY SPECIFICATIONS

<b>DIMENSIONS</b>	23" x 15.47" x 3.2" (584.2mm x 392.9mm x 81.3mm)
<b>SHIPPING WEIGHT</b>	24lbs (10.9kg)
<b>CONSTRUCTION</b>	High-strength 5052-H32 aircraft-grade aluminum
<b>POWDERCOATING</b>	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture
<b>PLATING</b>	Chem-Film per MIL-C-5541F, Class 1A
<b>MOUNTING</b>	Rack mounting, panel mounting, VESA 100
<b>RESOLUTION</b>	1920 x 1200
<b>BRIGHTNESS</b>	300 cd/m2
<b>COLORS</b>	16.7M



## Who We Are

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

Using COTS components, CP Systems 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 Systems 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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# ADDITIONAL SPECIFICATIONS

<b>SCREEN DIAGONAL</b>	24"
<b>CONTRAST RATIO</b>	1000:1
<b>VIEWING ANGLE</b>	89° (L/R/U/D)
<b>RESPONSE TIME</b>	14ms
<b>BACKLIGHT</b>	LED
<b>POWER INPUT</b>	AC input 85 to 264VAC, 1275/704 28VDC
<b>POWER DISSIPATION</b>	50 Watts
<b>AUDIO</b>	2x water-resistant speakers
<b>EXTERIOR POWER JACK</b>	Yes (optional)
<b>STANDARD INPUTS</b>	VGA DVI-D HDMI 1.3
<b>OPTIONAL INPUTS</b>	PAL/NTSC/SECAM HD-SDI - SMPTE259M, 4.2.2 3G HD-SDI 424M 4.4.4 Composite HD Component YPbPr SD Component YCbCr
<b>TOUCHSCREEN</b>	Infra Red touch screen technology Resolution of 4096 x 4096 points Supports Multi Touch gesture technology Touch activation force: none Minimum touch object: 8mm dia Sealability: IP65 from the front Can be used in conjunction with AR glass overlay

**QUESTIONS?**  
Reach out to us at  
CP-Systems.Tech  
or call 858.571.4330

## 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-DTL-901, in addition to FCC, UL, CE, and country specific agency requirements

## FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

## 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

## QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA