CLX | RUGGED RACKMOUNT DISPLAY

RACKMOUNT DISPLAY

The 1U CLX military grade rackmount display is designed to perform and engineered to last. Meeting military standards such as 901D and 810G, its 5052-H32 aluminum construction and locking stainless steel hardware make the display inherently rugged and reliable. The CLX offers two LCD screen sizes and multiple LCD screen enhancement options. The unit offers two keyboard choices, a 83-key full travel or splash proof 82-key full travel keyboard with input in either touchpad or trackball formats.

FEATURES

- Industrial Grade LCD Panels in 17.3" HD and 19" Screen Sizes in Both Standard and High Bright Configurations.
- Screen Enhancements Include Bonded 3mm Cover Glass and EMI Shielding
- Controller Features Include Picture in Picture, Image Scaling and Control, Ethernet Control for Remote Management
- Rackmount Design for Multiple Rack Depths

CHASSIS SPECIFICATIONS

DIMENSIONS	1.71" x 19" x 24.4" (43.4 x 482.6 x 619.8 mm)
PHSYICAL	Milled 0.375" 6061-T6 Aluminum Front Panel with Fold Down Pull Handle Ruggedized Lightweight 5052-H32 Aluminum Enclosure, Locking Hardware Integrated Cable Management Arm Video Controller Featuring Wide-Tolerance Power Supplies (+/-25%) Low Mass Tantalum Capacitors for Maximum Vibration and Shock Tolerance Conformal Coating Optional Bonding of Soda Lime Cover Glass
POWER OPTIONS	AC/110V, 12VDC, MIL-STD-704/1275A 28VDC, 48VDC
KEYBOARD OPTIONS	Standard Full Travel 83-Key with Either Integrated Optical Trackball or Touchpad and Two Mouse Buttons Splash Proof 82-Key, with Red Backlit Keys, with Optional 38mm Sealed Trackball or Multi-Gesture Trackpad and Two Mouse Buttons
PORTS	L1 Controller: DVI-D, VGA M1 Controller: DVI-I, HDMI, DisplayPort, VGA (via adapter)

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

DISPLAY SPECIFICATIONS

	17.3"	17.3" HI-BRIGHT	19"	19" HI-BRIGHT
NATIVE RESOLUTION	1920 x 1080	1920 x 1080	1280 x 1024	1280 x 1024
BRIGHTNESS	400 cd/m2	1000 cd/m2	350 cd/m2	600 cd/m2
CONTRAST RATIO	600:1	1000:1	1000:1	1000:1
RESPONSE TIME	40ms	40ms	5ms	35ms
VIEWING ANGLE	R/L: 160° U/D: 140°	R/L: 160° U/D: 140°	R/L: 170° U/D: 160°	R/L: 170° U/D: 170°
BACKLIGHT	LED	LED	LED	LED
OPTIONS	EMI Shielding Vandal Shield Bonded Glass			

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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