



CORE SYSTEMS



RUGGED 2U MLD-2VK DISPLAY

Military-Grade Dual Display & Keyboard

The rugged **MLD-2VK** from Core Systems features vertically stacked dual 19" LCD displays designed for space-saving deployment in tactical rack environments. Each LCD supports independent video input via DVI and VGA connections, and optional keyboard and trackball input devices are available for integrated control. Additional options include anti-reflective glass, EMI shielding, and touchscreen capabilities.

Engineered for use in harsh field environments, the MLD-2VK delivers a native resolution of 1280 × 1024 per display. Built into a 2U-high, 28-inch-deep chassis, it's SWaP-optimized for defense, aerospace, and industrial applications. With rugged reliability and a vertical dual-display layout, the MLD-2VK is ideal for mission-critical use where space and performance matter.

- Dual 19" vertical integration LCDs
- Tested to meet military standards
- Built in the USA

Featured Specifications

Dimensions

Height: 3.50" | Depth: 28.00" | Width: 19.00"

Display

2× 19" HD LCD Displays

Resolution

SXGA 1280 X 1024

Display Input

RGB/DVI/HDMI/HD-SDI/S-Video
Composite (Configurable)

Power

Power options available



Technical Specifications

Dimensions

Height: 3.50 inches, Width: 19.00 inches, Depth: 28.00 inches
Weight: 39.50 lbs

Display

2x 19" HD LCD

Resolution

SXGA 1280 X 1024

Display Input

RGB/DVI/HDMI/HD-SDI/S-Video/Composite (Configurable)

Power

Power options available

Keyboard

Low Profile, Full Key Size
Water Resistant Splash Guard

Pointing Device

Resolution: 130 DPI
Ball Size: 16mm
Two programmable button mouse keys

Brightness

400+ Nits

Color Depth

16.7M

Chassis

Lightweight aluminum chassis

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

Humidity

MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude

MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration

MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

Shock

MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC

MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

Core Systems

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