



RUGGED 2U MLD-2K

Military-Grade Dual Display & Keyboard

The rugged MLD-2K from Core Systems features dual 19" LCD displays arranged side-by-side in a 2U-high rackmount chassis, designed for high-performance use in tactical and industrial environments. Each display supports independent video input via DVI and VGA connections, with optional touchscreen functionality, anti-reflective glass, and EMI shielding available for enhanced field adaptability.

Built into a 28-inch-deep enclosure and delivering 1920 × 1080 native resolution per screen, the MLD-2K is engineered for use in harsh operational conditions. It meets MIL-STD environmental and EMI compliance standards and is SWaP-optimized for defense, aerospace, and mission-critical applications where horizontal dual-display functionality and rugged reliability are essential.

- Dual 19" side-by-side configuration 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

Full HD 1920 × 1080

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

2× 19" HD LCD

Resolution

Full HD 1920 × 1080

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

Integrated touchpad

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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