



RUGGED 3U MLD-3K DISPLAY

Military-Grade Rugged Display

The rugged 3U **MLD-3K** from Core Systems is a triple 19" rackmount LCD and keyboard system designed for panoramic situational awareness in mission-critical environments. Built in a short-depth 3U chassis, it features three full 19" LCD displays with independent DVI-D and VGA inputs, anti-reflective glass, and zero-defect panels for dependable out-of-the-box performance. A sealed, full-travel keyboard with integrated touchpad or optional trackball ensures reliable operator control in harsh conditions.

Designed for defense, aerospace, and industrial deployments, the MLD-3K delivers a true multi-screen viewing experience while remaining SWaP-optimized for tactical racks and mobile platforms. Its rugged construction and U.S.-built quality make it ideal for fielded systems where durability, visibility, and space efficiency are essential.

- Application-specific design
- Tested to meet military standards
- Built in the USA

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Featured Specifications

Dimensions

Height: 5.25" | Depth: 26.00" | Width: 19.00"

Weight

48.00 lbs

Screen Size

3x 19"

Form Factor

Rugged Rackmount Multi-Display

Chassis Material

Aircraft-Grade Aluminum



Technical Specifications

Dimensions

Height: 5.25 inches, Width: 19.00 inches, Depth: 26.00 inches
Weight: 48.00 lbs

Display

3× 19" HD LCD

Resolution

1920 × 1080

Display

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

Brightness

350

Power

Power options available

Keyboard

Low Profile
Full Key Size
Water Resistant Splash Guard

Protective Glass

Anti-reflective, optically bonded

KVM Option

8 or 16 Port Integrated KVM w/ OSD

Pointing Device

Integrated touchpad
Four Additional Button Mouse Keys

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.

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