CORE SYSTEMS



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

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

Copyright 2026 All Rights Reserved

CORE SYSTEMS

RUGGED 3U MLD-3K DISPLAY



Technical Specifications

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

Display
3x 19" HD LCD

Resolution
1920 x 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

Enviromental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

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
13000 Danielson St
Poway, CA 92064