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 x 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
Dual Vertical 19" LCD Displays

Resolution
1280 x 1024

Display Input
DVI/VGA

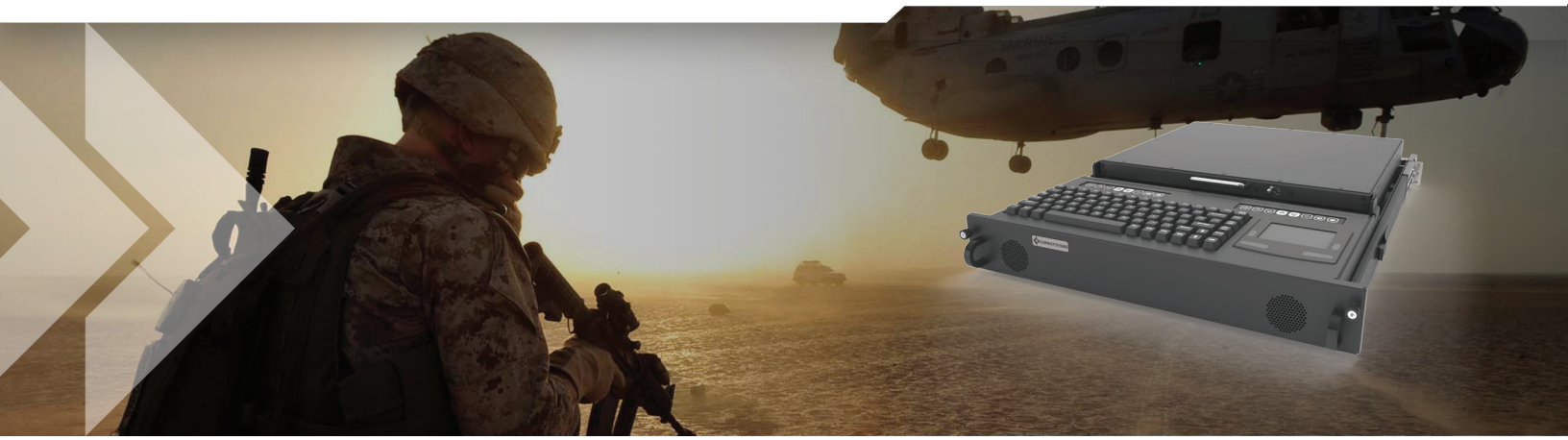
Power
Power options available

Copyright 2025 All Rights Reserved

CORE SYSTEMS

CORE SYSTEMS

RUGGED 2U MLD-2VK DISPLAY



Technical Specifications

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

Display
2x 19" LCD

Resolution
1280 x 1024

Display Input
DVI/VGA

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

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