



RUGGED MLD-2027 DISPLAY

Military-Grade LCD Display

The rugged MLD-2027 from Core Systems is an industry-leading 20" rackmount LCD in a 1U form factor, featuring a single layflat clamshell display with a sharp native resolution of 1600 × 1200. Designed for tactical and industrial applications, it includes a sealed keyboard with a 38mm three-button trackball and an adjustable screen that tilts up to 90 degrees.

Built in a durable chassis, the MLD-2027 offers a reinforced quick-release cable retention arm and a built-in Hulapoint pointing device for precise control. Supporting DVI and VGA video inputs, it also includes an integrated 8- or 16-port KVM switch with on-screen display (OSD) for efficient management of multiple systems. Optional anti-reflective glass enhances screen visibility in challenging lighting conditions.

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

Featured Specifications

Dimensions

Height: 1.75" | Depth: 27.00" | Width: 18.10"

Display

Clamshell 20" display

Resolution

1600 × 1200

Display Input

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

Power

Power options available



Technical Specifications

Dimensions

Height: 1.75 inches, Width: 18.10 inches, Depth: 27.00 inches
Weight: 24.00 lbs

Display

Clamshell 20" display

Resolution

1600 × 1200

Display Input

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

Power

Power options available

KVM Options

8 or 16 Port Integrated KVM w/ OSD

Pointing Device

Hulapoint pointing device

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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