



RUGGED 1U G219-HB DISPLAY

Military-Grade LCD Display

The Rugged **1U G219-HB** from Core Systems is a high-brightness clamshell display designed for mission-critical environments where sunlight readability is essential. It features a 19" Full HD (1920 × 1080) LCD with up to 1,450 nits of brightness, delivering sharp, vibrant visuals even in direct light. Housed in a rugged 1U rackmount chassis, it includes DVI and VGA inputs, a reinforced quick-release cable arm, and an integrated kill switch for secure operation.

Built to meet MIL-STD environmental and EMI standards, the G219-HB is ideal for defense, aerospace, and industrial use. At just 1.75" high and 19" deep, and weighing around 24 lbs, it's SWaP-optimized for compact deployments. Optional features such as touchscreen functionality, EMI shielding, and anti-reflective glass enhance its adaptability in field applications.

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

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Featured Specifications

Dimensions

Height: 1.75" | Depth: 19.00" | Width: 19.00"

Display

Clamshell 19" display

Resolution

Full HD 1920 × 1080

Display Input

DVI and VGA input

Power

Power options available



Technical Specifications

Dimensions

Height: 1.75 inches, Width: 19.00 inches, Depth: 19.00 inches
Weight: 24.00 lbs

Display

Clamshell 19" display

Resolution

Full HD 1920 × 1080

Display Input

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

Power

Power options available

Pointing Device

Integrated touchpad

Brightness

1450 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.

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