

RUGGED LCD MONITOR/KEYBOARD/POINTING DEVICE



1U Rugged Military Rackmount
17.3" Wide LCD Keyboard Drawer

Model: Gmil-W117

1U Rackmount 17.3-Inch Wide 1920 x 1080 ,400 Nits Format LCD, Contrast 600: 1, Monitor/Keyboard/Trackball and USB Interface (Integral Keyboard with Trackball (Commercial, Industrial, Military Grades): Separate Power Supply or +12 VDC Input Power Required, 22" deep,VGA, DVI, Composite, Mil-Std-901D Grade B, class 1,0° to 70° C / -20° to 70° C,TEMPEST Level 2, MIL-STD-901D, MIL-STD-810E, MIL-STD-810F, MIL-STD-461E, and MIL-STD-167B



Features

- Primary markets served are military, industrial and special purpose commercial applications
- Designed with the intent to meet MIL-STD-901D, MIL-STD-810F, MIL-STD-461E/F, MIL-STD-167B, and many more (some models tested)
- Display choices include standard (15" to 19"), or custom sizes/resolutions
 - Wide format and displays from 6-bits up to 10-bits per color
- Mounting
 - EIA-310 / RETMA 19-inch standard mounting or specialized mounting configurations available
 - Shock and vibration rated slides (solid bearing and ball bearing type) from industry leaders General Devices, Jonathan and others
- A wide variety of military- industrial- and commercial-grade keyboards with integral trackball or touch pad
- LCD brightness available with standard luminance, transreflective, daylight/sunlight readable, and NVIS-compatible
- Low power, long life, rugged (solid state) LED backlights available (OEM and Value-Add)
- Wide variety of video controllers and media players to choose from with support for one or more of the following interfaces:
 - Analog RGB or VGA (composite, separate or Sync-on-Green)
 - HDMI, DVI-A (Analog), DVI-D (Digital) and DVI-I (Integrated), NTSC, S-Video
 - Serial Digital Interfaces (HD-SDI, SD-SDI)
 - STANAG 3350 A, B and C and/or RS-170 support
- Available in many mechanical configurations to meet all of your potential requirements including separate power supply, integrated power supply, no power supply, etc.
- Enclosure styles include standard, specialized and custom
- Rugged aluminum construction with durable black powder coat finish (default)
 - Optional stainless steel enclosures or hardware
 - Optional paint and finishing including Federal Standard 595 or custom colors
- Connector panel/connectors
 - Connector panels can be tailored to accommodate customer requested interfaces for video, touch, power and others
- On-Screen Display (OSD) keypad
 - Choose from a variety of standard or custom keypads including membrane, silicon, backlit (variable brightness or fixed) and NVIS (NVG) compatible
- Cooling
 - Ventilation holes, slots, or louvered vents
 - Optional active and passive cooling methods such as piezo electric, intelligent fan/fan controllers, thermal transfer pads, internal convection blowers, etc.
- Designed with the intent to meet UL60950 and FCC Class A certification
- Optional CAC-compliant Smart Card reader (Common Access Card)
- Optional memory card readers and ports (Compact Flash, SD, USB)
- Gaskets available as standard or custom types to augment performance
 - EMI, watertight gaskets and dessicating gaskets
- Options include: touch screens, vandal shields, optically bonded overlays, EMI / RFI filters, heaters, NVIS filters, circular polarizers / ¼-wave retarders, power supplies, cables, speakers, custom enclosures and much more.



Shown with integrated DVD drive and without rack slides



Shown with integrated power supply and without rack slides

Gmil-W117 with 17.3" Display and Military keyboard

The Gmil-W117 has an extremely low profile, occupying only one vertical rack unit (1U = 1.75"). Constructed from a combination of aluminum and steel to provide a rugged, cost-effective and flexible design platform, this formidable monitor/keyboard is intended for use in industrial and military applications. It achieves this ultra-low profile by hinging an LCD from behind the keyboard, such that the display lies flat (facing upward) and behind the keyboard when stowed in the rack.

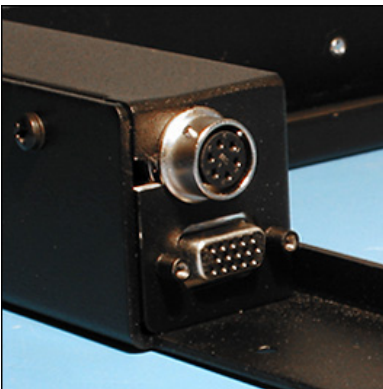


Machined Aluminum Handle

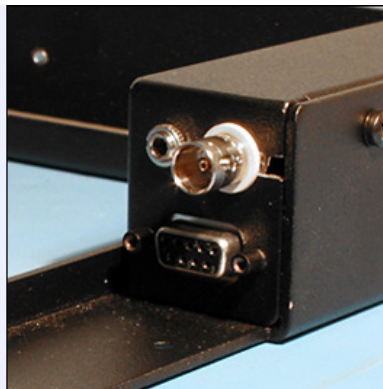


Spring Coil Latch

A spring coil latch and machined handle firmly secure the display in its stowed position. The LCD hinges upward on continuous friction hinges such that it can be positioned at virtually any angle that the operator desires, from 0 to 90+ degrees.



Gmil-W117 Connector Panel-Left



Gmil-W117 Connector Panel-Right



Gmil-W117 Power Supply

A vast assortment of commercial-, industrial-1 and military-2grade keyboards are available for integration, with or without integrated pointing devices. Multiple keyboard protocols are supported including PC (USB, PS/2, AT, XT) and SUN® (Type 5 [8-pin Mini-DIN], Type 6 [USB]), as well as custom or proprietary interfaces.

Similarly, a wide selection of video controllers are available to complete your configuration, allowing you to fine tune the display features and support to your specific video requirements.

HIGHLIGHTS

- Ultra low profile occupies only 1U (1.75") rack space
- Mounts directly to RETMA rack via locking slides without requiring an additional rack adaptor
- Standard display sizes 15.0", 17.0", 17.3", 19.0" (other display sizes available upon request)
- Available with integrated power supply (select models) or with support for separate/external power supply (DC input)
- Highly configurable and customizable design

1 Spill/dust proof; typically comprised of steel switch chassis and hardware; Class 2 workmanship.

2 Spill/dust proof; aluminum switch chassis; stainless hardware; Class 2 or higher workmanship; EMI filters; transient protection; keycap clips; shock sensing; lifetime warranty.



Gmil-W117 Keypad on Side of Display

The Gmil-W117 can be configured with a variety of standard or custom user controls, including membrane or silicone keypads, both with or without LED backlighting. Some models can be configured to provide NVIS compatibility or configured with electronics that allow backlight dimming.

Mechanical Drawing:

