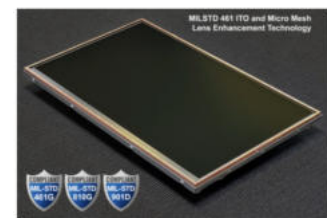


1U Mil-Spec Rackmount Monitor Keyboard Drawer with KVM Switch Options 24" depth

24-inch-deep, 1U rackmount KVM drawer designed for demanding military and industrial installations. Compatible with 19-inch racks and transit cases, with configurable LCD panels, keyboards, integrated KVM switches and ruggedized connection options. Precision-machined 5052-H32 and 6061-T6 aluminum construction; chemically strengthened anti-glare cover glass. Available enhancements include EMI/ITO shielding, optical bonding, high-brightness or NVIS backlighting, heated glass, touch input and conformal coating.



Display lens option

Features and Configuration Options

- Rugged aluminum chassis with 1U rackmount form factor
- MIL-style C300 friction slides and telescoping rear support arms
- Integrated cable guide and positive connector retention options
- MIL-style C90 two-pin power inlet; application-specific options
- Selectable LCD, rugged keyboard and integrated KVM configurations
- Optional optical bonding, 461G EMI/ITO glass and touch technologies
- Designed for shock and vibration requirements; qualification varies

LCD Panel Options

Model Number MIL1U19-04 | 19-inch SXGA

1280 x 1024; 350 nits; 1000:1; 10 ms

-30 to +85 C operating; -30 to +80 C storage

Model Number MIL1U19-05 | 19-inch High-Brightness SXGA

1280 x 1024; 1600 nits; 1000:1; 10 ms

-30 to +70 C operating; -30 to +70 C storage

Model Number MIL1U17-19 | 17.3-inch FHD

1920 x 1080; 400 nits; 600:1; 40 ms

0 to +70 C operating; -20 to +70 C storage

Model Number MIL1U17-20 | 17.3-inch High-Brightness FHD

1920 x 1080; 1000 nits; 600:1; 40 ms

0 to +70 C operating; -20 to +70 C storage

Model Number MIL1U17-21 | 17.3-inch UHD

3840 x 2160; 400 nits; 1000:1; 27 ms

0 to +50 C operating; -20 to +60 C storage

Keyboard Options

K Series 119-key US/UK keyboard, touchpad, optional CAC; 50M cycles.

K1 Series Thin rugged keyboard, touchpad/FSR, green LED backlight.

K2 Series Thin OEM keyboard with FSR; 10M cycles.

K3 Series Mobile FSR keyboard, sand/debris resistance; 10M cycles.

K4 Series NEMA 4 sealed keyboard with two-button glidepad; 10M cycles.

KVM Switch Options

SD1 4-port DisplayPort KVM

SE2u 8-port VGA KVM

SG2x 4-port DVI KVM

SO4.2 4-port HDMI KVM

SO8.2 8-port HDMI KVM

SO4 4-port HDMI KVM

SIPx 8/16/32-port RJ45 KVM; DVI/VGA/HDMI/DisplayPort supported

Military Standards and Qualification Options

Products may be configured to target the military standards below. Required standards, methods, procedures and acceptance criteria must be specified during quotation. Designed-to-meet (DTM) does not itself constitute independent test certification.

Available Designed-to-Meet (DTM) Options

Operational temperature	MIL-STD-810F/G; -10 to +50 C
Storage temperature	MIL-STD-810F/G; -30 to +60 C
Humidity	MIL-STD-810F/G; method/procedure TBD
Altitude	MIL-STD-810F/G; method/procedure TBD
Vibration	MIL-STD-810F/G; 167 or 516.2 (source designation)
Shock	MIL-STD-810F/G; 901E Grade A or Grade B
Electromagnetic interference	MIL-STD-461F/G; CE102, RE101, RE102, CS101, CS114, CS116, RS101 and/or RS103

Testing and Configuration Notes

Test results and military-standard qualification are configuration-specific. Formal verification should be separately arranged with the applicable independent testing provider.

Disclose environmental conditions, shock/vibration methods, EMI performance and any required certification before ordering.

Available enhancements include conformal coating, rugged power connectors, optical bonding, specialized lens assemblies, high-brightness LCD panels and alternate keyboard/KVM configurations.

Technical Specifications | 19-inch SXGA Configuration

Reference configuration: 19-inch LCD; values may vary with selected options.

LCD Characteristics

Panel type	a-Si TFT LCD
Backlight	LED
Resolution	1280 x 1024
Contrast ratio	1000:1
Brightness	350 cd/m2
Viewing angles	85/85/80/80
Pixel pitch	0.294 x 0.294 mm
Colors	16.7 million
MTBF	50,000 hours
Response time	8 ms
Cover lens	Anti-glare; 3H hard coat
Enhancements	Optical bonding
Touch	Resistive or PCAP optional
Color gamut	70% NTSC

Mechanical and Environmental

Height	1.75 in
Mounting	24-in rack; rear arms 24-32 in
Housing	Powder-coated aluminum
Operating temp.	-30 to +85 C
Storage temp.	-30 to +85 C
Humidity	5-95%, non-condensing
Vibration	5-500 Hz / 1 Grms PTP
Shock	15G peak / 11 ms
Dimensions	19 x 1.75 x 24 in
Packing size	22 x 5 x 32 in
Weight	25 lb net / 30 lb gross
Listed approvals	UL / CE / FCC / RoHS
Altitude	12,500 / 40,000 ft (op/non-op)

Input Signals

VGA	DB15 male
HDMI / DVI	Locking HDMI
DisplayPort	Locking full-size DisplayPort
USB	USB 2.0 Type A

Power and Controls

DC input	12 VDC; optional 9-36 VDC
Connector	MIL C90 locking connector
AC supply	UL-listed AC/DC brick; MIL option
Front controls	Power, status LED, OSD buttons

Technical values reflect the source reference configuration; verify selected options.