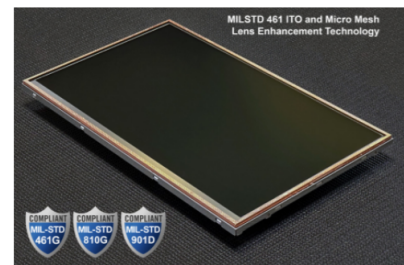


1U Military-Grade Rackmount KVM Drawer

Rugged 1U rack drawer for 19-inch equipment racks and transit cases, configurable for military and industrial applications. Precision-cut and machined 5052-H32 and 6061-T6 aluminum construction supports demanding deployments. Chemically strengthened anti-glare cover glass is standard; optional enhancements include MIL-STD-461G EMI glass, optical bonding, high-brightness displays, touch input and conformal coating.



Display lens option

Features and Configuration Options

- Military-oriented monitor and keyboard configurations
- Integrated cable guide and telescoping reverse-L rear support arms
- MIL-style C90 two-pin power inlet; customizable for application needs
- MIL-style C300 friction slide system
- Shock- and vibration-resistant design for rack or transit-case use
- Heated glass, NVIS backlight and daylight-viewable high brightness
- Optional MIL-STD-461G EMI glass enhancement and optical bonding
- Resistive or projected-capacitive (PCAP) touch options
- Optional conformal coating for internal electronics



Configuration and qualification depend on selected options and test requirements.

Display and Keyboard Options

LCD PANEL OPTIONS

173M1

17.3 in FHD 1920 x 1080

400 nits | 600:1 | 40 ms

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

Anti-glare LED-backlit LCD

173M2

17.3 in FHD 1920 x 1080

1000 nits | 600:1 | 40 ms

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

Anti-glare LED-backlit LCD

173U1

17.3 in UHD 3840 x 2160

400 nits | 1000:1 | 27 ms

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

Anti-glare LED-backlit LCD

19M1

19 in SXGA 1280 x 1024

350 nits | 1000:1 | 10 ms

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

Anti-glare LED-backlit LCD

19M2

19 in SXGA 1280 x 1024

1600 nits | 1000:1 | 10 ms

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

Anti-glare LED-backlit LCD

KEYBOARD OPTIONS

K Series	Industrial military keyboard; 119 keys, touchpad; optional CAC reader.
K1 Series	Thin rugged keyboard with touchpad/FSR and adjustable green backlight.
K2 Series	Silicone-rubber OEM keyboard with FSR; optional NVIS Green B.
K3 Series	Mobile FSR keyboard; resistant to sand and debris; 12 function keys.
K4 Series	NEMA 4 sealed keyboard with glidepad; optional backlit keys.

Military Standards and Qualification Options

Designed-to-Meet (DTM) Requirements

The equipment may be configured to target specific military standards. Applicable test methods, procedures and performance criteria must be established during quotation to select the required components and enhancements. Compliance is configuration- and test-dependent.

Available MIL Standard DTM Options

Operating temperature	MIL-STD-810F/G: -10 C to +50 C
Storage temperature	MIL-STD-810F/G: -30 C to +60 C
Humidity	MIL-STD-810F/G: methods and procedures TBD
Altitude	MIL-STD-810F/G: methods and procedures TBD
Vibration	MIL-STD-810F/G: -167 or -516.2; procedures TBD
Shock	MIL-STD-810F/G: -901E Grade B or Grade A; procedures TBD
EMI	MIL-STD-461F/G: CE102, RE101, RE102, CS101, CS114, CS116, RS101 and/or RS103

Qualification and testing

Passing a military standard is not guaranteed solely by a designed-to-meet specification. Required testing and acceptance criteria must be confirmed for the ordered configuration, including any independent laboratory testing.

Detailed Technical Specifications

19M1 display configuration; values vary with selected options

LCD, I/O AND POWER

Display panel	19M1 a-Si TFT LCD
Resolution	1280 x 1024
Backlight	LED
Brightness	350 cd/m2
Contrast	1000:1
Viewing angles	85/85/80/80
Pixel pitch	0.294 x 0.294 mm
Colors	16.7 million; NTSC 70%
MTBF	50,000 hours
Response time	8 ms
Lens	Anti-glare, 3H hard coat
Lens enhancement	Optical bonding
Touch	Optional resistive or PCAP
VGA	DB15 male, 3-6 ft cable
HDMI / DVI	Standard HDMI or DVI-D, 3-6 ft
DisplayPort	Standard or mini, 3-6 ft
USB	USB 2.0 Type A, 3-6 ft
DC power	12 VDC; optional 9-36 VDC
Connector	MIL locking C90 standard
AC adapter	UL-listed AC/DC brick; MIL option

MECHANICAL AND ENVIRONMENT

Height	1.75 in
Mounting	19 in rack; rear arms 19-27 in
IP protection	TBD by requirements
Housing	Black powder-coated aluminum
Operating temp	-30 to +85 C; methods 501.4/502.4
Storage temp	-30 to +85 C; methods 501.4/502.4
Humidity	5-95% non-condensing; 507.4
Vibration	5-500 Hz / 1 Grms PTP; 514.5
Shock	15G peak, 11 ms; 516.5
Product size	19 x 1.75 x 19 in (W x H x D)
Packing size	22 x 5 x 25 in
Net / gross	15 / 22 lb
Listed approvals	UL / CE / FCC / RoHS
Altitude test	12,500 / 40,000 ft (op/non-op)
Front controls	Power on/off button
Indicators	Power mode status LED
OSD	Front on-screen-display buttons
Typical weight	~20 lb, configuration dependent
Typical power	30-50 W, configuration dependent

Specifications are configuration-dependent. Confirm requirements before ordering.

