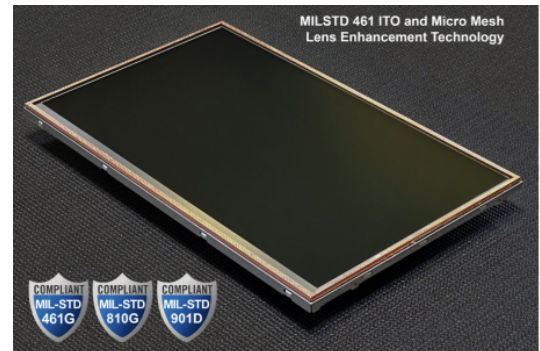


## 1U Military-Grade Rackmount KVM Drawer

Rugged 1U rack drawer for 19-inch equipment racks and transit cases, configurable for military and industrial applications. Aluminum construction uses 5052-H32 and 6061-T6 alloys with precision-cut and machined components. Chemically strengthened anti-glare cover glass is standard; optional enhancements include EMI/ITO 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 rear support arms
- MIL-style C90 two-pin power inlet; application-specific configurations available
- Optional integrated KVM switches and video controllers
- MIL-style C300 friction slide system
- Shock- and vibration-resistant design for rack or transit-case use
- Heated glass, NVIS backlight, daylight-viewable high brightness
- Optional MIL-STD-461G EMI/ITO enhancement and optical bonding
- Resistive or projected-capacitive (PCAP) touch options



Configuration and qualification depend on selected options and test requirements.

## Display and Keyboard Options

### LCD Panel Options

---

#### 15HB 15 in | 1024 x 768

1800 nits | 800:1 | 6 ms

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

LED backlight; anti-glare surface

#### 17LH 17 in | 1280 x 1024

350 nits | 800:1 | 20 ms

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

LED backlight; anti-glare surface

#### 17HB 17 in | 1280 x 1024

1600 nits | 800:1 | 15 ms

-20 to +65 C operating; -30 to +70 C storage

LED backlight; anti-glare surface

#### 173W 17.3 in | 1920 x 1080

400 nits | 600:1 | 40 ms

-10 to +70 C operating; -20 to +70 C storage

LED backlight; anti-glare surface

#### 173HB 17.3 in | 1920 x 1080

1000 nits | 600:1 | 40 ms

-10 to +70 C operating; -20 to +70 C storage

LED backlight; anti-glare surface

#### 173U 17.3 in | 3840 x 2160

400 nits | 1000:1 | 27 ms

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

LED backlight; anti-glare surface

### Keyboard Options

---



#### K Series

119-key US/UK keyboard with touchpad; optional CAC reader; 50M cycles; operating 0 to +50 C.



#### K1 Series

Thin rugged keyboard, touchpad and FSR; green LED backlight; operating -32 to +60 C.



#### K2 Series

Thin OEM keyboard with FSR pointing device; 10M cycles; operating -40 to +60 C.



#### K3 Series

Mobile keyboard with FSR; sand/debris resistance; 10M cycles; operating -40 to +70 C.



#### K4 Series

NEMA 4 sealed keyboard with two-button glidepad; 10M cycles; operating -40 to +70 C.

Designed-to-Meet (DTM) Requirements

Panels may be configured to target the military standards below. The required standards, test methods, procedures and acceptance criteria must be specified during quotation so suitable components and enhancements can be selected. A DTM configuration is not, by itself, a certification of test compliance.

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| 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; methods and procedures to be determined                |
| Altitude                     | MIL-STD-810F/G; methods and procedures to be determined                |
| Vibration                    | MIL-STD-810F/G; 167 or 516.2 (as listed in source)                     |
| Shock                        | MIL-STD-810F/G; 901E Grade B or Grade A                                |
| Electromagnetic interference | MIL-STD-461F/G: CE102, RE101, RE102, CS101, CS114, CS116, RS101, RS103 |

Testing and Configuration Notes

Military-standard test results are configuration-specific. Formal verification must be separately arranged with the applicable testing provider. Requirements should be disclosed before ordering, including the desired environmental profile, EMI performance and shock/vibration test methods.

Optional enhancements include conformal-coated electronics, MIL-style power connections, specialized lens assemblies, high-brightness displays and keyboard/controller configurations.

## Detailed Specifications | 17M1 Display Configuration

Specifications below apply to the 17M1 monitor; other configurations may differ.

### LCD, I/O and Power

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Panel</b>            | 17M1 a-Si TFT LCD                 |
| <b>Backlight</b>        | LED                               |
| <b>Resolution</b>       | 1280 x 1024                       |
| <b>Contrast</b>         | 800:1                             |
| <b>Brightness</b>       | 350 cd/m2                         |
| <b>Viewing angles</b>   | 80/80/60/80                       |
| <b>Pixel pitch</b>      | 0.264 x 0.264 mm                  |
| <b>Color</b>            | 16.7 million                      |
| <b>MTBF</b>             | 50,000 hours                      |
| <b>Response time</b>    | 20 ms                             |
| <b>Lens treatment</b>   | Anti-glare, 3H hard coating       |
| <b>Lens enhancement</b> | Optical bonding                   |
| <b>Touch</b>            | Optional resistive or PCAP        |
| <b>Color gamut</b>      | 72% NTSC                          |
| <b>VGA</b>              | DB15 male; 3 to 6 ft cable        |
| <b>HDMI / DVI</b>       | Standard HDMI or DVI-D; 3 to 6 ft |
| <b>DisplayPort</b>      | Standard or mini; 3 to 6 ft       |
| <b>USB</b>              | USB 2.0 Type A; 3 to 6 ft         |
| <b>DC power</b>         | 12 VDC; optional 9-36 VDC         |
| <b>Power connector</b>  | MIL locking C90 (standard)        |
| <b>AC power supply</b>  | UL-listed AC/DC brick; MIL option |

### Mechanical and Environmental

|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Height</b>             | 1.75 in                              |
| <b>IP protection</b>      | TBD by requirements                  |
| <b>Mounting</b>           | 17 in rack, rear arms 17-25 in       |
| <b>Housing</b>            | Aluminum, black powder coating       |
| <b>Operating temp.</b>    | -30 to +85 C; methods 501.4 / 502.4  |
| <b>Storage temp.</b>      | -30 to +85 C; methods 501.4 / 502.4  |
| <b>Operating humidity</b> | 5%-95% noncondensing; method 507.4   |
| <b>Vibration</b>          | 5-500 Hz / 1 Grms PTP; method 514.5  |
| <b>Shock</b>              | 15G peak, 11 ms; method 516.5        |
| <b>Dimensions</b>         | 19 x 1.75 x 17 in (W x H x D)        |
| <b>Packing size</b>       | 22 x 5 x 25 in (W x H x D)           |
| <b>Net / gross wt.</b>    | 15 / 22 lb                           |
| <b>Listed approvals</b>   | UL / CE / FCC / RoHS                 |
| <b>Altitude test</b>      | 10,000 / 30,000 ft (oper./non-oper.) |
| <b>Power control</b>      | Front power on/off button            |
| <b>Status</b>             | Power-mode LED indicator             |
| <b>OSD</b>                | Front on-screen-display buttons      |



Values are configuration-dependent; confirm final specifications before ordering.