

Rugged Military Grade 1U LED-backlit KVM Drawer



Benefits

- ▶ MIL-STD-810H standard
- ▶ 1U LCD console drawer
- ▶ MRK-K1419 : 18.4" with 3840 x 2160@60Hz native resolution
- ▶ MRK-F1419 : 18.5" with 1920 x 1080 native resolution
- ▶ MRK-X1419 : 18.0" with 1920 x 1200 native resolution
- ▶ Ideal design for military transit case
- ▶ Sealed silicone IP keyboard with touchpad (option: trackball)
- ▶ MIL power input connector (MS3470W8-33P)
- ▶ MIL AC power adaptor (auto-sensing 85 to 264VAC, 50 / 60Hz)
- ▶ Enhanced aesthetics with molded front handle & 2-point lock
- ▶ Self-locking rails for ultra convenience
- ▶ TAA Compliant

Options

- Military CAC USB card reader
- Lockable IP65 USB port
- Lockable IP65 VGA & HDMI ports
- DC power : 12V / 24V / 48V / 125V / 250V
- LCD protection : AR & EMC glass
- Touchscreen : Projected Capacitive 10-pt / Resistive 1-pt

Product Specifications

LED-backlit LCD Panel	MRK-K1419	MRK-F1419	MRK-X1419
Panel size (diagonal)	18.4"	18.5"	18"
Native resolution	3840 x 2160@60Hz	1920 x 1080	1920 x 1200
Brightness (cd/m ²)	300	500	300
Contrast ratio (typ.)	1000 : 1	1200 : 1	1000 : 1
Colors	1.07B	16.7M	16.7M
Viewing angle (L/R/U/D)	85/85/85/85		89/89/89/89
Response time (ms)	15	30	9
Dot pitch (mm)	0.1065	0.213	0.202
Display area H x V (mm)	408.96 x 230.04	408.98x 230.04	387.76 x 242.35
Surface treatment	Anti-glare	Anti-glare, Hard-coating	Anti-glare
Surface hardness	3H		
MTBF (hrs)	30,000	50,000	15,000

Physical	
Product dimension (WxDxH)	442 x 440 x 44 mm
Packing dimension (WxDxH)	590 x 808 x 140 mm
Net / Gross Weight	9.8 kg / 14.8 kg

Mounting Distance	
Single console drawer	450 ~ 680 mm

Console Port	MRK-K1419	MRK-F1419	MRK-X1419
Video Input	DP + HDMI	VGA + HDMI	VGA + HDMI
KB / MS	2 x USB-A	2 x USB-A	2 x USB-A

** Other video input options upon on request

AC Power	
MIL Power Connector	3-pin lockable MS3470W8-33P
Unit Power Input	Auto-sensing 85 to 264VAC, 50 / 60Hz
Unit Power Consumption	Max. 35W

Military Environment MIL-STD-810H Standard	
MIL-STD-810H, Method 502.7 & 501.7	Operation temp : -20 to 65°C Storage temp : -30 to 60°C
MIL-STD-810H, Method 500.6-i-500.6-8	Operation altitude : 10,000 ft Storage altitude : 30,000 ft
MIL-STD-810H, Method 507.6	Humidity: 10% - 90%, non-condensing
MIL-STD-810H, Method 516.8 & 514.8	Shock/Vibration : Procedure VI, 50G @11ms

Compliance	
CE/ EMC EN55032/ EN55035	
CE/ LVD EN62368	
FCC sub part 15B	
RoHS 3 & REACH & WEEE	

Waterproof Backlight Silicone IP Keyboard

Me Sealed silicone IP keyboard and touchpad (Standard)



Standard U.S. Layout

** Other language layouts upon on request

- IP65 rated protection
- Actuation Force : 1.0N+/-0.1N
- Red LED backlight
- Key switch lifetime : 3 mil. Operations

Mb Sealed silicone IP keyboard and trackball (Option)



- IP67 rated protection
- Actuation Force : 1.0N+/-0.1N
- Blue LED backlight
- Key switch lifetime : 3 mil. Operations

Non Waterproof Keyboard Options

Ge G keyboard integrated with touchpad

Gb G keyboard integrated with trackball