

LCD1U17-57

1U Rackmount LCD Console Drawer - 20-Inch Depth with KVM Options

LCD1U17-57 is a compact 1U clamshell LCD-and-keyboard console designed for standard 19-inch racks and transit cases with 20- to 28-inch mounting depth. Modular display, keyboard, pointer and KVM-switch selections support flexible configurations for industrial and field applications.



Features

- 15- to 17.3-inch LED-backlit LCD display options
- Low-profile keyboard and pointing-device choices
- Integrated cable routing and aluminum telescoping rear arms
- Configurable KVM switches, controller cards and I/O connections
- Customizable power-inlet and front-panel configurations
- Rugged aluminum construction and MIL-standard C300 friction slides
- Shock and vibration resistance designed for MIL-STD-810G environments



Available enhancements

High-brightness displays, anti-glare or anti-reflective cover glass, optical bonding, PCAP or resistive touch, and application-specific configuration.

LCD1U17-57

KVM Switch Options



SD1 4-port DisplayPort



SE2 / SE4 8 / 16-port VGA



SE3 8-port VGA/USB



SG1 4-port DVI



SO4 4-port HDMI



SK1 4-port VGA

LCD Display Options

Model Number

LCD1U15-21

15" SXGA 1024 × 768

1800 nits | 800:1 | 6 ms

80/80/70/80 angles; -30 to 70°C

Model Number

LCD1U17-57

17" SXGA 1280 × 1024

350 nits | 800:1 | 20 ms

80/80/60/80 angles; -30 to 85°C

Model Number

LCD1U17-58

17" SXGA 1280 × 1024

1600 nits | 800:1 | 15 ms

85/85/80/80 angles; -20 to 65°C

Model Number

LCD1U17-59

17.3" FHD 1920 × 1080

400 nits | 600:1 | 40 ms

80/80/60/80 angles; -10 to 70°C

Model Number

LCD1U17-60

17.3" FHD 1920 × 1080

1000 nits | 600:1 | 40 ms

80/80/60/80 angles; -10 to 70°C

Model Number

LCD1U17-61

17.3" UHD 3840 × 2160

1300 nits | 1000:1 | 27 ms

89/89/89/89 angles; 0 to 50°C

Keyboard Options



SQx: iKey 97-Key NEMA 4 Keyboard

USB or 2xPS2

Integrated 2 Button Touch-pad and 10-Key Number Pad

Industrial silicone rubber; 10 million cycles

Storage: -40 to +90 C; Operating: -40 to +70 C

Optional red back-light version (QB)



SA2x: Cherry 89-Key Keyboard

USB or 2xPS2

Integrated 2 Button Optical Trackball

Gold Crosspoint Contacts, Cherry ML Technology

Continuous use: 20 million cycles

Storage: -40 to +65 C; Operating: 0 to +40 C

MTBF: 8.6 million hours



SI2u: TG3 82-Key Keyboard

USB or 2xPS2

Integrated 2 Button Glide Pad

Rubber Membrane Blanket Technology

Continuous use: 5 million cycles

Storage: -40 to +60 C; Operating: 0 to +50 C



SHx: iKey 113-key NEMA 4X Keyboard

USB or 2xPS2

Integrated 3 Button Pointer with Force Sensing Resistor

Industrial silicone rubber; 10 million cycles

Storage: -40 to +70 C; Operating: 20 to +60 C



SMx: Devlin 119-key Keyboard

USB or 2xPS2

Soft feel Tactile ML Switch; 50 million operations

Integrated 3 Button Touchpad

Windows, MAC, SUN and Lynx Operating Systems

Storage: -40 to +70 C; Operating: 20 to +60 C

Technical Specifications

Representative 17-inch SXGA configuration; options and specifications vary by model.

LCD CHARACTERISTICS

Panel	17LH, a-Si TFT LCD
Backlight	LED driver
Resolution	1280 x 1024
Contrast ratio	800:1
Brightness	350 cd/m²
Viewing angles	80 / 80 / 60 / 80
Pixel size	0.264 x 0.264 mm
Maximum colors	16.7 million (RGB 8-bit)
MTBF	50,000 hours
Response time	20/10 ms (Tr/Td)
Lens treatment	Anti-glare, hard coating (3H)
Lens enhancement	Optional optical bonding
Touch	Optional resistive or PCAP
Color gamut (NTSC)	50,000 (as specified in source)

INPUT SIGNALS

VGA	DB15 male
HDMI / DVI	Standard HDMI or DVI-D
DisplayPort	Standard
USB	USB 2.0 Type A

POWER SPECIFICATIONS

DC power input	12 VDC (optional 9–36 VDC)
Connector	2-pin locking connector
AC power supply	UL-listed AC/DC power adapter

MECHANICAL & ENVIRONMENTAL

Height	1.75 in
IP protection	TBD, based on requirements
Mounting	19-in rack; rear arms for 20–28-in depth
Construction	Aluminum, black powder coating
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 (516.5)
Unit dimensions	19 x 1.75 x 20 in (W x H x D)
Packing dimensions	22 x 5 x 32 in (W x H x D)
Net / gross weight	17 / 25 lb
Certifications	UL / CE / FCC / RoHS
Altitude test	10,000 / 30,000 ft (operational / non-operational)

USER CONTROLS

Power	Front power on/off button
Status	Power mode status LED
Display controls	On-screen display (OSD) buttons
KVM operation	Direct-dial buttons or keyboard hotkeys

