

RD1U-CAT17

1U Rugged KVM Rack Drawer



When short depth and light weight are strict guidelines, the CAT17 Series are the perfect fit. This series will fit into a 17" deep rack or transit case, weighs in at a mere 17 lbs. and uses a pass-through cabling system. The RD1U-CAT17 Class is available with multiple keyboard, controller and monitor options.



RD1U-CAT17

Features:

- Multiple Monitor Sizes to Choose From
- Multiple Keyboards to Choose From
- Integrated Cable Guide System
- Optional CAC Card Reader Available
- Aluminum Telescoping Rear Arms
- Easy Install into Rack and Transit Case
- 2Pin Licking Power Inlet:
- Can Be Customized to your application,

Options:

- Multiple Lens Enhancement available
- High Bright, Daylight Viewable option
- Optional Optical Bonding
- PCAP and Resistive Touch Options

Comes Standard

- Rugged All Aluminum Construction
- MIL Standard C300 Friction Slides
- Shock and Vibe Rugged Design to 810G,
- Fits 19" Rack and Transit Cases



Popular KVM Options

15HB SXGA 1024x768 (Max Res)

15" LED Backlit LCD w/ Anti-Glare

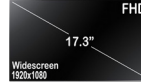
- Viewing Angles: 80/80/70/80
- Contrast Ratio: 800:1
- Brightness: 1800 NITS
- Response Time: 6ms
- Surface Finish: AG, 3H
- Color: 8 Bit (16.2M), NTSC 60%
- Operating Temp: -30°C to 70°C
- Storage Temp: -30°C to 70°C



173W FHD 1920x1080 (Max Res)

17.3" Wide LED Backlit LCD w/ Anti-Glare

- Viewing Angles: 80/80/60/80
- Contrast Ratio: 600:1
- Brightness: 400 NITS
- Response Time: 40ms
- Surface Finish: AG, 3H
- Color: 6-bit+HiFRC (16.7M)
- Operating Temp: -10°C to 70°C
- Storage Temp: -20°C to 70°C



17LH SXGA 1280x1024 (Max Res)

17" LED Backlit LCD w/ Anti-Glare

- Viewing Angles: 80/80/60/80
- Contrast Ratio: 800:1
- Brightness: 350 NITS
- Response Time: 20ms
- Surface Finish: AG, 3H
- Color: 6-bit+HiFRC (16.7M), NTSC 72%
- Operating Temp: -30°C to 85°C
- Storage Temp: -30°C to 80°C



173HB FHD 1920x1080 (Max Res)

17.3" Wide LED Backlit LCD w/ Anti-Glare

- Viewing Angles: 80/80/60/80
- Contrast Ratio: 600:1
- Brightness: 1000 NITS
- Response Time: 40ms
- Surface Finish: AG, 3H
- Color: 6-bit+HiFRC (16.7M)
- Operating Temp: -10°C to 70°C
- Storage Temp: -20°C to 70°C



17HB SXGA 1280x1024 (Max Res)

17" LED Backlit LCD w/ Anti-Glare

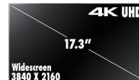
- Viewing Angles: 85/85/80/80
- Contrast Ratio: 800:1
- Brightness: 1600 NITS
- Response Time: 15ms
- Surface Finish: AG, 3H
- Color: 8 Bit (16.7M), NTSC 72%
- Operating Temp: -20°C to 65°C
- Storage Temp: -30°C to 70°C



173U UHD 3840 x 2160 (Max Res)

17.3" Wide LED Backlit LCD w/ Anti-Glare

- Viewing Angles: 89/89/89/89
- Contrast Ratio: 1000:1
- Brightness: 400 NITS
- Response Time: 27ms
- Surface Finish: AG
- Color: 8bit (16.7M), 100% ADOBE RGB
- Operating Temp: 0°C to 50°C
- Storage Temp: -20°C to 60°C



Popular Keyboard Options



- Qx: ikey 97-Key NEMA 4 Keyboard (USB or 2xPS2)
- Integrated 2 Button Touch-pad and 10-Key Number Pad
- Industrial silicone rubber Continuous Use: 10 million cycles
- Storage: -40°C to +90°C, Operating: -40°C to +70°C
- Optional Red Back-light version (QB)



- A2x: Cherry 89-Key Keyboard (USB or 2x PS2)
- Integrated 2 Button Optical Trackball
- Gold Crosspoint Contacts, Cherry ML Technology
- Continuous Use, 20 million cycles
- Storage: -40°C to +65°C, Operating: 0°C to +40°C
- MTBF 8.6 Million Hours



- I2u: TG3 82-Key Keyboard (USB or 2x PS2)
- Integrated 2 Button Glide Pad
- Rubber Membrane Blanket Technology
- Continuous Use, 5 million cycles
- Storage: -40°C to +60°C, Operating: 0°C to +50°C



- Hx: iKey113-key NEMA 4X keyboard (USB or 2x PS2)
- Integrated 3 Button Pointer with Force Sensing Resistor
- Industrial silicone rubber Continuous Use, 10 million cycles
- Storage: -40°C to +70°C, Operating: 20°C to +60°C



- Mx: Devlin 119-key keyboard (USB or 2x PS2)
- Soft feel Tactile ML Switch, Switch Life 50 Million Operations
- Integrated 3 Button Touchpad
- Windows, MAC, SUN and Lynx Operating Systems
- Storage: -40°C to +70°C, Operating: 20°C to +60°C

*Other Panels and lens Enhancement Available

Video Controllers

V35x Rugged Embedded Controller

- For Use with Integrated KVM Switch Options
- Max Resolution 1920x1200 60hz
- Input Options Available: VGAX1, Display Port x1 (HDMI, DVI-D, or 3G-SDI pick only 1)
- Designed to Meet Shock and Vibe Requirements
- Command and Controls: Consolidated OSD Buttons on Front
- Optional 3G-SDI Interface can be Integrated

*Other Controller Cards Available with Multiple Options



Series	Open	Depth	Display Type	Project No	Rev
RD1U - CAT	17	17L	.XXXX	.xx	
Rack Drawer 1U	Clamshell Aluminum Transit	17"	173W, 173HB, 15HB, 17L	We assigned your project a unique Project Number	We give your project a Revi- sion Number

► Custom Options Available On All DITHD Models

SPECIFICATIONS

- Dimensions: 19"W x 1.75"H x 17"D
- Weight: ~ 23 LBs (RD1U-CAT1717L)
- Power Consumption: Less than 30W

Values are approximate and vary based on configuration



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Mechanical Drawings

Samples of some of the Custom Projects
we have done for our customers

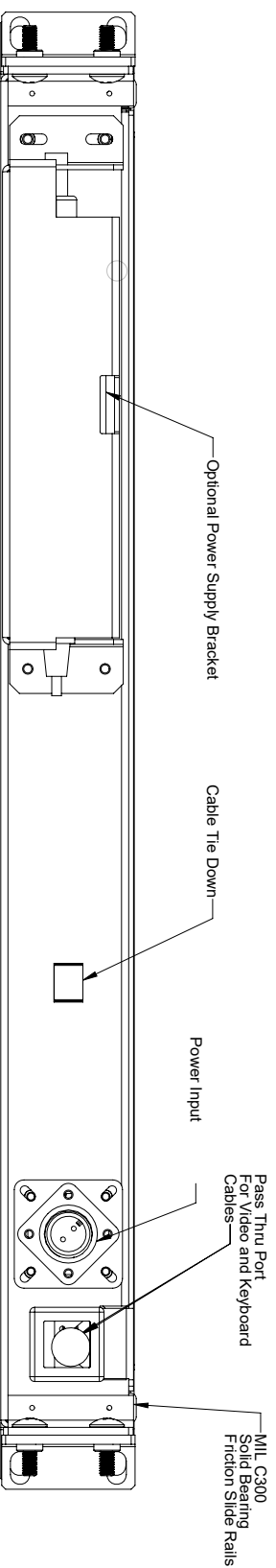
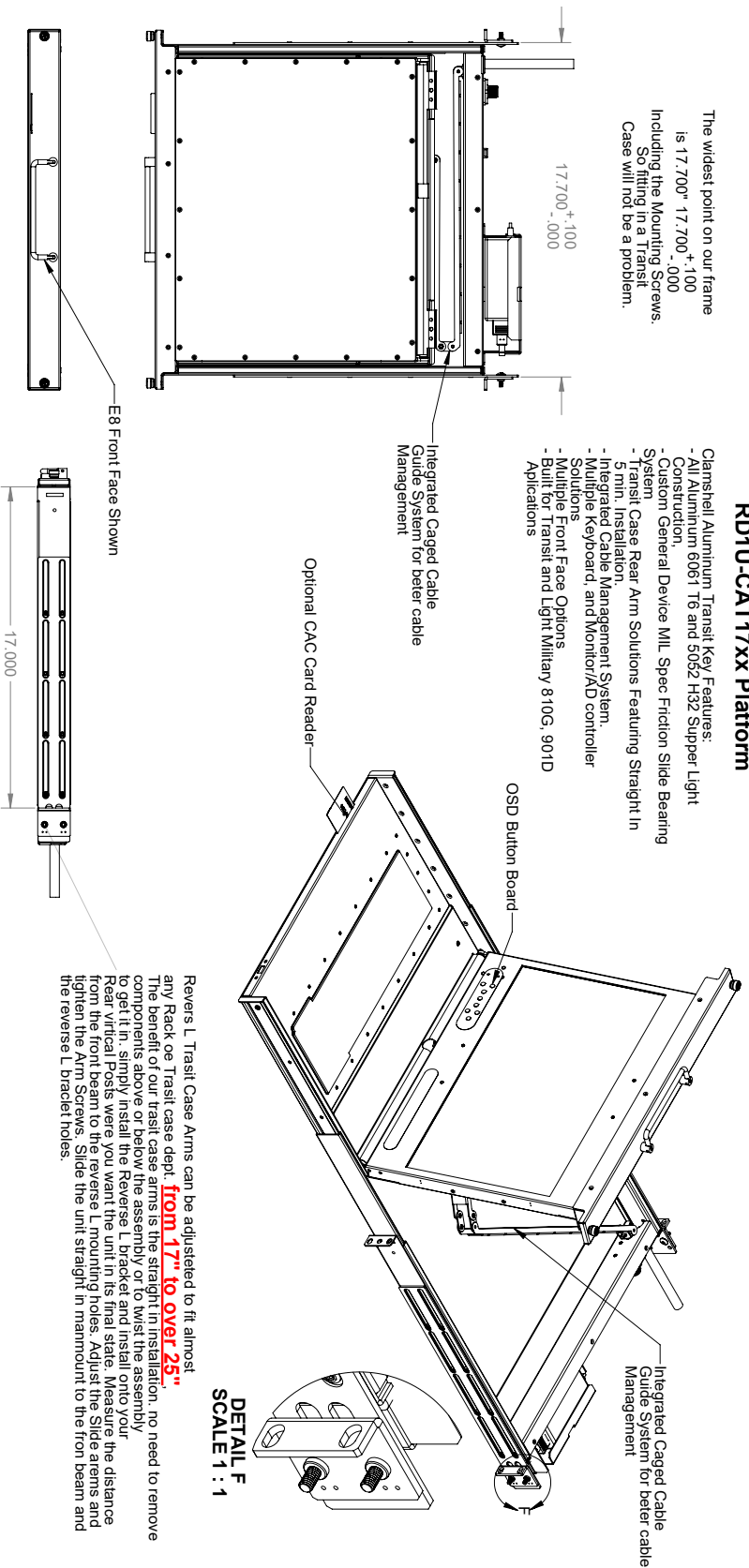
Mechanical drawings and 3D Solid Models
are available upon request. Contact your
sales representative for details.



RD1U-CAT17xx Platform

The widest point on our frame
is 17.700" $\pm$.100
including the Mounting Screws.
So fitting in a Transit
Case will not be a problem.

- Clarnshell Aluminum Transit Key Features:
- All Aluminum 6061 T6 and 5052 H32 Supper Light Construction.
 - Custom General Device MIL Spec Friction Slide Bearing System
 - Transit Case Rear Arm Solutions Featuring Straight In 5 min. Installation.
 - Integrated Cable Management System.
 - Multiple Keyboard, and Monitor/A/D controller Solutions
 - Multiple Front Face Options
 - Built for Transit and Light Military 810G, 901D Applications



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Specifications

Detailed Specifications are for the 17L Monitor We can supply Detailed Specs other Monitors upon Request



LCD Characteristics:

Screen Spec:	17M1 , a-Si TFT LCD
Backlight Type:	LED
Resolution:	1280 x1024
Contrast Ratio:	800:1
Brightness (cd/m2):	350
View Angles (H/V):	80/80/60/80
Pixel Size (HxV) mm:	0.264×0.264 mm
Max. Color:	16.7M
MTBF (hrs):	50,000
Response Time (ms):	20
Lens Treatment:	Antiglare, Hard Coating (3H)
Lens Enhancement:	Optical Bonding Optional
Touch:	Optional (Resistive or PCAP)
Color Gamet (NTSC):	72%

Input Signals:

VGA:	DB15 Male (3' to 6' Cable)
HDMI or DVI:	Standard HDMI or Stadard DVI-D (3' to 6' Cable)
Display Port:	Stabdard or Mini Cable (3' to 6' Cable)
USB:	USB 2.0 Type A (3' to 6' Cable)

Power Specifications:

DC Power Input:	12VDC
Connector:	2 Pin Locking Standard, Other Option Available
AC Power Supply:	External UL Listed AC/DC Brick

Mechanical and Environment:

Height:	1.75"		
IP Protect:	TBD, Based On Requirements		
Mounting:	17" Rack Mount with Rear Arms 17 to 25" Depth		
Construction:	Aluminum Housing with black powder coating		
Operating Temperature:	-30°C ~ 85°C	Method 501.4 and 502.4	
Storaging Temperature:	-30°C ~ 85°C	Method 501.4 and 502.4	
Operating Humidity:	5% - 95%, non -condensing		Method 507.4
Anti-Vibration:	5 - 500 Hz / 1 Grms PTP		Method 514.5
Anti-Shock:	15G / Peak (11 ms)		Method 516.5
Physical Dimension (WxHxD):	19" x 1.75" x 17" (in)		
Packing Dimension (WxHxD):	22"x5"x25" (in)		
Net Weight / Gross Weight:	(15Lbs/22Lbs)		
Certification and Approvals:	UL/CE/ FCC RoHS		
Altitude Test:	10,000/30,000 ft (Operational/No-Operational)		

User Controls Interface:

Power ON / OFF via Front Button
Power Mode Status LED Indicator
OSD (On Screen Display) Buttons



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