

SERIES RD1U-CAT24

Rackmount KVM Console

DITHD

DISPLAY INTEGRATION TECHNOLOGIES



Features:

- **MIL-STD 810F/G Compliant / RUGGED Construction**
- **Keyboard:** 103 Keys with Integrated 2 Button Glide Pad
- **Displays:** 17.3" or 19" LED Backlit LCD with Anti-Glare, High Bright Available
- **Switches:** HDMI (8) / RJ45 (8) Ports Available
- **CAC Card Reader** Included
- **PCAP Touch** Available
- **MIL Grade C300** Solid Bearing Friction Slide Rails
- **Thumb Screw Front Face** with Collapsible Handle
- **Power Usage:** Less than 45W | DC 12V Power Input
- **Dimensions:** 19" W x 1.75" H x 24" D
- **Total Weight:** 30 lbs.
- **Operating Temp. 173W:** 0°C to +70°C
19LH: -30°C to +85°C

Part Number Configuration

RD1U-CAT	24	XXX	B2u	XXX	V35x	E8	XXX
Rack Drawer 1U Chassis	Rack Drawer Depth	Display Size	Keyboard & Mouse	KVM Switch	Video Controller	Front Face	Display Enhancement

RD1U-CAT24 Series is a rugged aluminum rackmount KVM console, clamshell design built to MIL-STD 810F/G Standard. RD1U-CAT24 Series is our most configurable rackmount KVM console. RD1U-CAT24 Series comes with your choice of 19" or 17.3" LCD displays, a variety of keyboards and pointer control options.

Standard options include high bright displays, optical bonded lens, PCAP touch and CAC card reader for additional security.

LCD Display Options

Size	NITS	Resolution	Response Time	Part Number
Standard Displays				
19"	350	1280 x 1024	8ms	19LH
17.3"	400	1920 x 1080	20ms	173W
High Bright Displays				
19"	1600	1280 x 1024	10ms	19HB
17.3"	1500	1920 x 1080	20ms	173HB

KVM Switch Options

Video Input	Number of Ports	Keyboard & Mouse Input	Part Number
HDMI	8	USB	031
*RJ45	8	USB	I8

*Requires additional accessory modules

Additional Features

Description	Part Number
Keyboard / 2 Button Glide Pad	B2u
FHD Video Controller Board	V35x
PCAP Touch Functionality	TPxx
Thumb Screw Front Face / Handle	E8

Rev: 20260520



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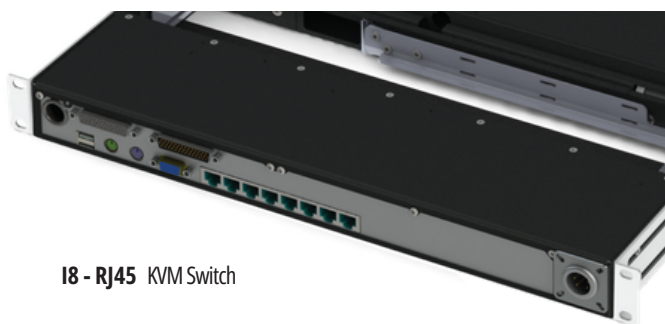
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*I8 - RJ45 Rackmount KVM Console

Part Number	Display Size
RD1U-CAT2419LH.B2U.I8.V35x.E8	19LH
RD1U-CAT24173W.B2U.I8.V35x.E8	173W
RD1U-CAT2419HB.B2U.I8.V35x.E8	19HB
RD1U-CAT24173HB.B2U.I8.V35x.E8	173HB

With PCAP Touch Display

RD1U-CAT2419LH.B2U.I8.V35x.E8.TP19U	19LH
RD1U-CAT24173W.B2U.I8.V35x.E8.TP173U	173W
RD1U-CAT2419HB.B2U.I8.V35x.E8.TP19U	19HB
RD1U-CAT24173HB.B2U.I8.V35x.E8.TP173U	173HB



I8 - RJ45 KVM Switch

*I8 - RJ45 Rackmount KVM Modules

Video Input	KVM IP Input	Part Number
DisplayPort / USB	RJ45 / CAT5 / CAT6	05-17169
VGA / PS/2	RJ45 / CAT5 / CAT6	05-17120
DVI-D / USB	RJ45 / CAT5 / CAT6	05-17166
VGA / USB	RJ45 / CAT5 / CAT6	05-17170
HDMI / USB	RJ45 / CAT5 / CAT6	05-17168
USB-C	RJ45 / CAT5 / CAT6	05-17183

I8 - RJ45 KVM Modules: Transmit HDMI and USB signals over a single CAT5/6/7, zero latency, no software or drivers required.

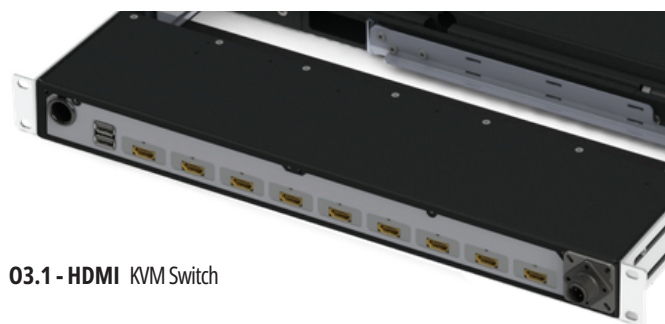


03.1 - HDMI Rackmount KVM Console

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RD1U-CAT24173W.B2U.O31.V35x.E8	173W
RD1U-CAT2419HB.B2U.O31.V35x.E8	19HB
RD1U-CAT24173HB.B2U.O31.V35x.E8	173HB

With PCAP Touch Display

RD1U-CAT2419LH.B2U.O31.V35x.E8.TP19U	19LH
RD1U-CAT24173W.B2U.O31.V35x.E8.TP173U	173W
RD1U-CAT2419HB.B2U.O31.V35x.E8.TP19U	19HB
RD1U-CAT24173HB.B2U.O31.V35x.E8.TP173U	173HB

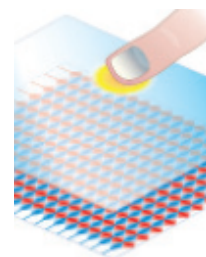


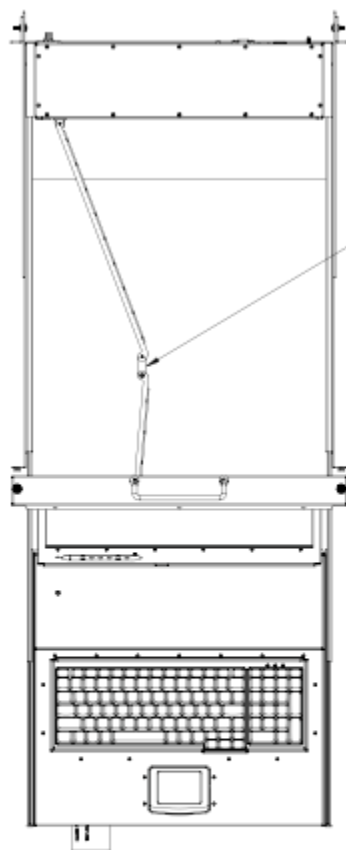
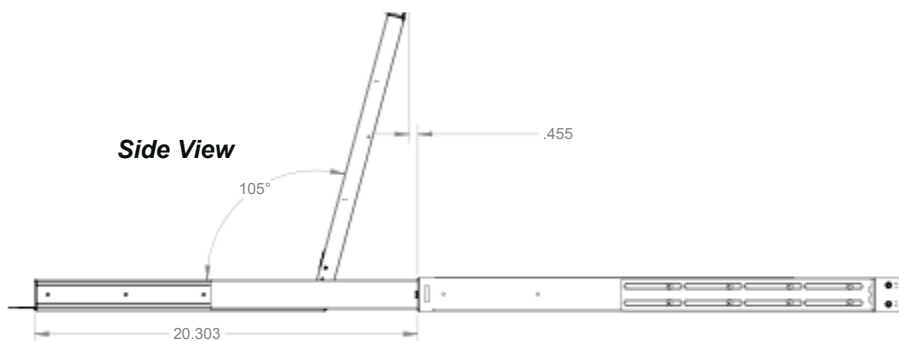
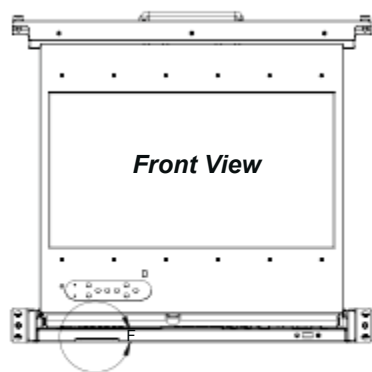
03.1 - HDMI KVM Switch



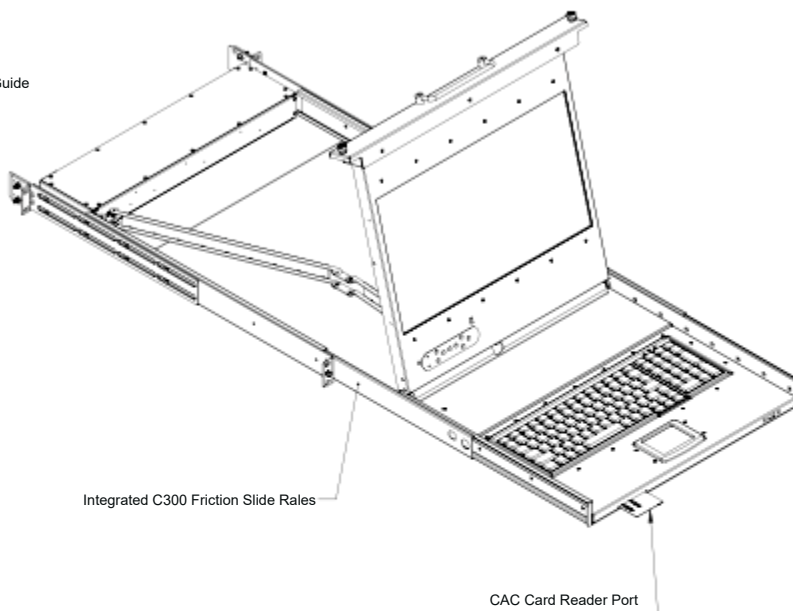
E8 - Thumb Screw Front Face With Collapsible Handle

PCAP Touch: Projected Capacitive (PCAP) touch display enhancements are upgraded displays with a specialized overlay and firmware tuning. Providing rugged durability, glove compatibility, and added functionality in all rugged, industrial, medical, and commercial environments.





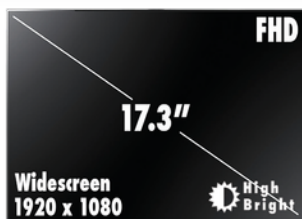
Integrated Cable Guide System



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17.3" Displays

	FHD	High Bright FHD
Part Number:	173W	173HB
Size:	17.3"	17.3"
Resolution:	1920x1080	1920x1080
Aspect Ratio:	16:9	16:9
Display Colors:	16.7M	16.7M
Brightness:	400	1500
Contrast Ratio:	600:1	600:1
Response Time:	20ms	20ms
Pixel Pitch:	0.1989x0.1989	0.198x0.198
Viewing Angle:	80/80/60/80	80/80/60/80
Color Gamut :	72%	72%
Operating Temp:	0° to +70°C	0° to +70°C
Storage Temp:	-20° to +70°C	-20° to +70°C

19" Displays

	SXGA	High Bright SXGA
Part Number:	19LH	19HB
Size:	19"	19"
Resolution:	1280x1024	1280x1024
Aspect Ratio:	5:4	5:4
Display Colors:	16.7M	16.7M
Brightness:	350	1600
Contrast Ratio:	1000:1	1000:1
Response Time:	8ms	10ms
Pixel Pitch:	0.294x0.294	0.294x0.294
Viewing Angle:	85/85/80/80	85/85/80/80
Color Gamut :	72%	72%
Operating Temp:	-30° to +85°C	-30° to +70°C
Storage Temp:	-30° to +85°C	-30° to +70°C

03.1 - HDMI KVM Switch

Format:	HDMI
Input Interface:	(8) HDMI Port (female)
Resolution:	Up to 4K (3840x2160 @30Hz)
Hot Keys:	NONE
Approvals:	UL, CE, ROHS Compliant
Operating Temp:	-58° to 176°F (-50 to 80°C)
Storage Temp:	-58° to 176°F (-50 to 80°C)
Humidity:	up to 80% (No Condensation)

I8 - RJ45 KVM Switch

Format:	RJ-45 / IP
Input Interface:	(8) or (16) RJ-45 (female)
Resolution:	Up to 1920x1200 @60Hz
Hot Keys:	Via Keyboard
Approvals:	UL, CE, ROHS Compliant
Operating Temp:	32° to 104°F (0 to 40°C)
Storage Temp:	-4° to 140°F (-20 to 60°C)
Humidity:	up to 80% (No Condensation)

B2u - Keyboard & Glide Pad

Grade:	Industrial
Keys:	103
Key Life:	5 Million Cycles
Pointer:	2 Button / Cirque Glide Pad
Operating Temp:	32° to 122°F (0° to 50°C)
Storage Temp:	-40° to 140°F (-40° to 60°C)
Interface:	USB (B2u)



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RD1U-CAT24 Series

Rackmount KVM Console



RD1U-CAT2419LH.B2U.I8.V35x.E8: (RD1U) 1 rack unit tall, (CAT24) 24" rack depth rugged aluminum rackmount KVM console, clamshell design. Built to meet MIL-STD 810F/G Standard. (19LH) 19" LED backlit LCD display. (B2U) 103 button keyboard with integrated 2 button glide pad. (I8) 8 port RJ45 KVM switch with required RJ45 KVM Modules. (V35x) FHD 1080x1920 max. resolution @60Hz video controller board. (E8) Locking front face (thumbscrew) with folding handle. CAC card reader for additional security.

RD1U-CAT24173W.B2U.I8.V35x.E8: (RD1U) 1 rack unit tall, (CAT24) 24" rack depth rugged aluminum rackmount KVM console, clamshell design. Built to meet MIL-STD 810F/G Standard. (173W) 17.3" LED backlit LCD display. (B2U) 103 button keyboard with integrated 2 button glide pad. (I8) 8 port RJ45 KVM switch with required RJ45 KVM Modules. (V35x) FHD 1080x1920 max. resolution @60Hz video controller board. (E8) Locking front face (thumbscrew) with folding handle. CAC card reader for additional security.

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