



## LCD KVM Switch

Manage the setup, administration and maintenance of rack-mounted servers in data centers, server rooms and other space-critical industrial environments.

### TMCAT1728

17-inch industrial LCD Cat5 KVM console, dual user control of up to eight servers

### TMCAT17216

17-inch industrial LCD Cat5 KVM console, dual user control of up to 16 servers

## Raritan's New, Dual User, 17-inch LCD KVM Switch with Integrated Cat5 Simplicity™

Raritan's 1U LCD KVM (keyboard, video, mouse) switch is ideal for secure rack management. It offers the convenience of using standard UTP cabling to connect to servers directly, while an optional second user is able to access servers from outside the server room up to 195 meters away.

TMCAT17 provides two ways to connect to servers. If the servers are all at the rack, you can use Raritan's MCUTP cable, the most up-to-date cable available from Raritan's mature Cat5 technology. For longer distance connections, you can use Cat5 cables and CIMs (Computer Interface Modules) to connect to servers up to 45 meters away.

TMCAT17 is also multiplatform compliant, compatible with Windows®, Linux®, Mac® and Sun™ servers.

## Two Dual User Models to Support Multiple Data Center Configurations

Two models are available to support multiple data center and server room configurations, each in a 1U rack-mount form factor:

- ▶ TMCAT1728 – Enables two users control of up to 8 servers simultaneously via industry-standard UTP cabling
- ▶ TMCAT17216 – Enables two users control of up to 16 servers simultaneously via industry-standard UTP cabling

Both permit two users to conduct independent KVM sessions. The first user may access servers at the rack through the LCD KVM console of TMCAT17. The second user can extend access distance up to 195 meters away through a Cat5 cable connecting from TMCAT17.

What's more, both LCD KVM switch models support two levels of cascading with the MasterConsole® CAT series as a second tier to control up to 256 servers.

Integrating seamlessly with other Raritan solutions, TMCAT17 offers powerful anytime, anywhere access to servers and other network devices at the rack, in the office or from around the world.

## Industrial Design and Quality

- ▶ Designed for space-critical environments
- ▶ High quality, Grade A+, 17-inch LCD, TFT display
- ▶ Resolution support up to 1280 x 1024

- ▶ Microswitch for screen auto power off
- ▶ Heavy-duty keyboard and touchpad pointing device
- ▶ Works with every leading server – Microsoft® Windows NT®, Windows Me, Windows 2000, Windows XP, Windows 2003, Windows Vista®, Novell® NetWare®, UNIX®, Linux, Mac and Sun
- ▶ Saves you space and allows easier cabling with Cat5/6 cabling. IT administrators have the choice of either a) using the industry's first and only fixed length Cat5 MCUTP cable with CIMs to connect to servers within 6 meters, or b) using MCIM-PS2, MCIM-USB or DCIM-USBG2 to connect to servers up to 45 meters away
- ▶ With the MCCAT-UST optional user station, a second user can be located up to 30 meters away from the LCD KVM switch, enabling lights-out access to the server room. This distance can be extended even further, to 195 meters, if the Paragon II Enhanced User Station (P2-EUST) is deployed

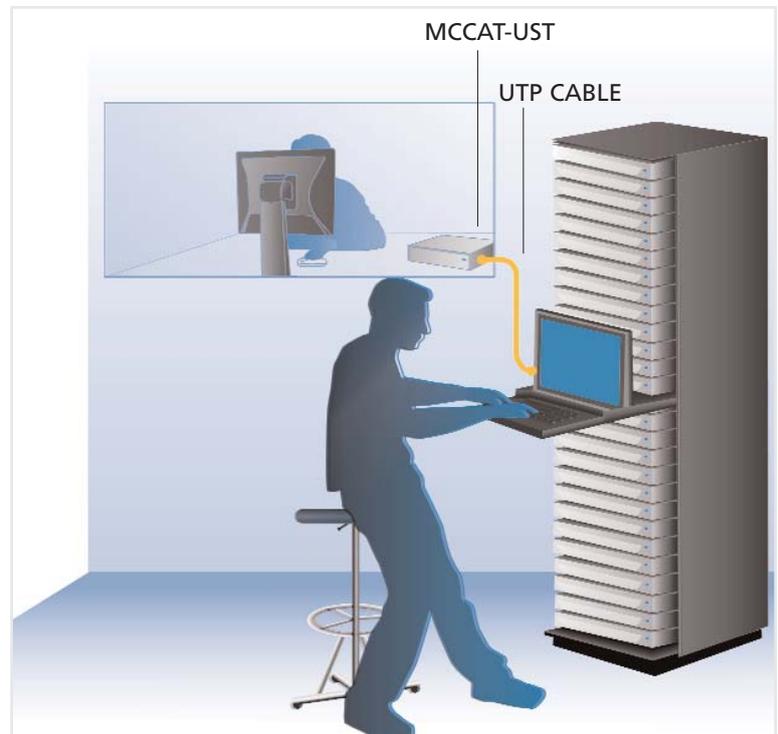
## Features

### Space Saving and Efficient

- ▶ Space-saving 1U design takes up to 85% less space than a standard keyboard, video and mouse
- ▶ Cable management arm neatly routes all cables
- ▶ Ergonomic format includes touchpad located below the space bar for centrally located input
- ▶ OSD and front-panel controls allow for easy switching and adjustments
- ▶ Supports easy-to-use MCUTP cables for fast installation and easy cabling

### Leading-Edge Technology and Scalability

- ▶ 104 keys/106 keys with number pad, supports multiple languages, including US English, UK English, German, French, Spanish, Italian, Korean, Traditional Chinese and Japanese
- ▶ Built-in auto-switching of the AC power supply eliminate the need for external power bricks
- ▶ Allows you to store multiple user names and profiles for secure access control
- ▶ Provides on-site, Flash firmware upgrades



Second user can access servers from outside the server room up to 195 meters away.

- ▶ Can be cascaded to control up to 256 servers at distances of up to 45 meters
- ▶ Supports a user station for an optional second user who can be placed outside the server room, up to 30 meters away from the switch, for lights-out access
- ▶ Simple plug-and-play installation, auto-configuration and easy-to-use, on-screen displays
- ▶ AutoSkip bypasses inactive channels; AutoScan scans servers at variable rates

### Applications

- ▶ Manage the setup, administration and maintenance of rack-mounted servers in data centers, server rooms and other space-critical industrial environments
- ▶ Control multiple servers from a single workstation inside or outside the server room
- ▶ Reduce clutter and expenses

## Accessories

MasterConsole CAT User Station	
Part Number	MCCAT-UST
Supported Switches	TMCAT1728, TMCAT17216, MCCAT28, MCCAT216
User Ports	VGA - HDB-15 (F) x 1 (Blue)
	Keyboard - PS/2® mini-din 6-pin x 1 or USB Type A x 1
	Mouse - PS/2 mini-din 6-pin x 1 or USB Type A x 1
Cat5 Port	RJ-45 x 1
	FW Upgrade - DB9 (F) x 1
Dimensions	182.6mm x 100mm x 29.8mm
Weight	540g
Power	DC 6V

MCCAT-UST  
Front View



Power LED

USB Keyboard and Mouse Ports

MCCAT-UST  
Rear View



Power  
DC 6V

VGA Port

Admin Port

PS/2 Keyboard  
and Mouse Ports

Cat5 Port  
(Connect to 2nd user port on  
TMCAT1728, TMCAT17216,  
MCCAT28 or MCCAT216)

### Computer Interface Modules (CIMs)

Part Number	Properties	Dimensions
MCIM-PS2	HDB 15 x 1, PS/2 mini-din 6-pin x 2	33mm x 76mm x 15mm
MCIM-USB	HDB 15 x 1, USB Type A x 1	33mm x 76mm x 15mm
DCIM-USBG2 (for Sun USB)	HDB 15 x 1, USB Type A x 1	33mm x 76mm x 15mm

MCIM-PS2



MCIM-USB



DCIM-USBG2



### Cat5 MCUTP Cables

Part Number	Description	Specification
MCUTP06-PS2	KVM UTP cable for PS/2, 0.6 meters	RJ45 <-> HDB-15M, mini-din 6 x 2
MCUTP20-PS2	KVM UTP cable for PS/2, 2 meters	RJ45 <-> HDB-15M, mini-din 6 x 2
MCUTP40-PS2	KVM UTP cable for PS/2, 4 meters	RJ45 <-> HDB-15M, mini-din 6 x 2
MCUTP60-PS2	KVM UTP cable for PS/2, 6 meters	RJ45 <-> HDB-15M, mini-din 6 x 2
MCUTP06-USB	KVM UTP cable for USB, 0.6 meters	RJ45 <-> HDB-15M, USB type A
MCUTP20-USB	KVM UTP cable for USB, 2 meters	RJ45 <-> HDB-15M, USB type A
MCUTP40-USB	KVM UTP cable for USB, 4 meters	RJ45 <-> HDB-15M, USB type A
MCUTP60-USB	KVM UTP cable for USB, 6 meters	RJ45 <-> HDB-15M, USB type A
MCUTP06-SUSB	KVM UTP cable for Sun USB, 0.6 meters	RJ45 <-> HDB-15M, USB type A
MCUTP20-SUSB	KVM UTP cable for Sun USB, 2 meters	RJ45 <-> HDB-15M, USB type A
MCUTP40-SUSB	KVM UTP cable for Sun USB, 4 meters	RJ45 <-> HDB-15M, USB type A
MCUTP60-SUSB	KVM UTP cable for Sun USB, 6 meters	RJ45 <-> HDB-15M, USB type A

MCUTP-PS2



MCUTP-USB



MCUTP-SUSB



## Specifications

<b>Form Factor</b>	1U rack mount, 19-inch (482.6mm), can be mounted in 750mm and 900mm cabinets
<b>Display Type</b>	Grade A+ LCD, TFT panel display
<b>Display Size</b>	17-inch (431.8mm) diagonal
<b>Dimensions (WxDxH)</b>	442x570x44.5mm
<b>Contrast Ratio</b>	700:1 (typical)
<b>Viewing Angle</b>	
<b>Horizontal</b>	80/80 degrees from center
<b>Vertical</b>	80/80 degrees from center
<b>Display Colors</b>	16.2 million
<b>Maximum Resolution</b>	SXGA (1280x1024)
<b>Brightness</b>	300 nit
<b>Keyboard</b>	Notebook style; multilanguage support
<b>Number of Keys</b>	104/106 keys with number pad
<b>Pointing Device</b>	Integrated touchpad with three-button control
<b>Color</b>	Black
<b>Channel Port</b>	
<b>TMCAT1728</b>	8
<b>TMCAT17216</b>	16
<b>Second User Port</b>	RJ45 x 1
<b>Firmware Upgrade Port</b>	DB9F x 1
<b>Operating Temperature</b>	0° to 50° C
<b>Storage Temperature</b>	-5° to 60° C
<b>Humidity</b>	5~90% RH, non-condensing
<b>Weight</b>	44 lbs; 20 kg
<b>Power</b>	AC, 110-240V, 50~60Hz, auto-switching
<b>Agency Approvals</b>	FCC Conformity with Part 15, Subpart B, UL Listed, CE Conformity, RoHS
<b>Warranty</b>	<b>Two years.</b> In addition Raritan offers two years extended warranty.

## Ready to learn more about Raritan's new 17-inch LCD KVM switch?

Call +31 (0)10 284 4040 or visit [Raritan.eu/TMCAT17](http://Raritan.eu/TMCAT17)

Raritan is a leading provider of secure IT infrastructure management solutions. We offer IT and facility directors, managers and administrators the control they need to increase power management efficiency, improve data center productivity and enhance branch office operations. In over 50,000 locations worldwide, our integrated in-band and out-of-band products help companies monitor and manage their energy, servers and other IT devices. Our intelligent PDUs, combined with energy management software and environmental sensors, offer remote power control and monitoring at the rack-and-device level, empowering data center owners with information to improve uptime and capacity planning, while efficiently utilizing energy to save power and money. And our access solutions, including KVM, serial and centralized management devices, offer unprecedented control of servers to maintain mission-critical environments. Raritan's OEM division provides embedded hardware and firmware for server and client management, including intelligent power management, KVM over IP, IPMI and other industry standards-based management applications.

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