



## Z-Series

Chain and control up to 42 servers with category 5 UTP cable up to 1,000 feet.

A Z-Series system consists of two components: the User Station and Computer Interface Modules (Z-CIMs).

# Control up to 42 servers in zero-U rack space with the switchless KVM switch.

## The ultimate space saver

Raritan's innovative Z-Series enables access and control of multiple servers from a single user console (keyboard, video and mouse), without consuming precious rack space. Z-Series Z4200U employs Raritan's unique communication technology to control up to 42 servers and eliminate the traditional KVM switch box and all hard-to-manage server-to-switch cables. It is designed to support the most challenging demands of server management where space is at a premium or where systems to be accessed are up to 1,000 feet away, including:

- Densely packed 1U and 2U rack mount servers.
- Corporate data centers, ISPs, co-location and Web hosting facilities.
- Computer test labs, call centers, help desks and training rooms.

## Simplified installation with less cable

Z-Series replaces the traditional KVM switch-to-multiple-server cabling configuration with an innovative server-to-server chaining arrangement, significantly reducing cable clutter. Small PS/2 Computer Interface Modules (Z-CIMs) connected to the keyboard, video and mouse ports of each server via Raritan's unique DirectConnect technology are linked with standard Category 5 UTP cable and transmit the keyboard, video and mouse signals to a User Station. A keyboard, video and mouse plug into the User Station, enabling the user to select and control up to 42 servers via simple on-screen user interface menus. Servers can be added at any time without interrupting server operation.

## Seamless interface to Raritan's enterprise-class Paragon®

Z-Series is Paragon Ready™, for convenient, clustered access and control of high-density rack mounted servers in large-scale data centers. Connect the first Z-CIM in the chain directly to Raritan's Paragon Ver. 2.5 and above with a single Category 5 UTP cable.

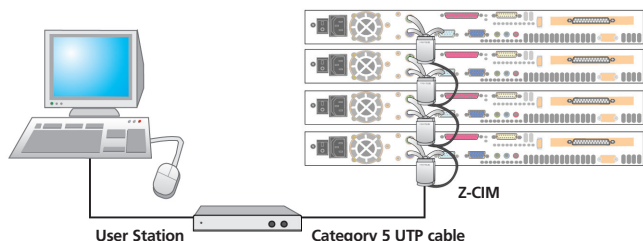
## System Components

A Z-Series system consists of two components: the User Station and PS/2® Computer Interface Modules (Z-CIMs).

**Computer Interface Module (Z-CIM)** – connects to the keyboard, video and mouse ports of each computer and provides failsafe computer access with Raritan's dedicated keyboard/mouse emulation. Raritan's unique DirectConnect technology enables direct

plug-in connection of an HD15 video connector built into the Z-CIM case to the target server, without the clutter of additional unnecessary video cable. Z-CIMs are linked one to the next with a single Category 5 UTP cable; the first Z-CIM in the chain is linked to the User Station. The chain can be extended by adding additional Z-CIMs for up to 1,000 feet end to end.

### Z-Series Connections

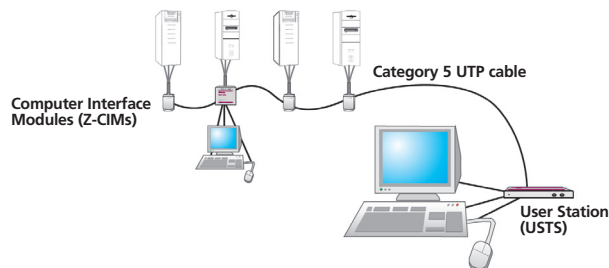


**User Station** – enables a user console (keyboard, video and mouse) to select and control up to 42 servers via a simple, on-screen user interface.

### Features

- Simple plug and play auto-configure installation.
- Addition of servers anywhere in the chain at any time.
- DirectConnect Z-CIMs for secure connection without excess cable.
- Keep-alive keyboard/mouse emulation for flawless operation.
- User console hot-connect to any server.
- Component hot-swap with no impact on server operation.
- Computer selection by name from on-screen menus.
- Automatic Video Tuning (AVT) to adjust video quality automatically.
- Support of high-resolution video - up to 1600x1200.
- User located up to 1,000 feet away via Category 5 UTP cable.
- Starter Kit for one user and three servers.
- Onsite flash firmware upgrades.
- Seamless interface to Raritan's Paragon Ver. 2.5 and above for clustered access to high-density servers.

### Basic Configuration



### Specifications

<b>User Station (Receiver)</b>	
<b>USTS</b>	
<b>Dimensions - (WxDxH)</b>	7.0" x 3.9" x 1.0"; 178 x 99 x 25mm
<b>Weight</b>	1.2 lbs; 0.54 kg
<b>Power</b>	100V/240V 50/60 Hz 5VA
<b>Z-Series Computer Interface Modules (Transmitters)</b>	
<b>UKVMSC</b> DirectConnect to a PC (PS/2) with local access	
<b>Dimensions - (WxDxH)</b>	4.3" x 3.6" x 1.0"; 108 x 91 x 25mm
<b>Weight</b>	0.7 lbs; 0.3 kg
<b>Power</b>	100V/240V 50/60 Hz 5VA
<b>Port</b>	RJ-45 in & out, plus local PC KVM ports
<b>UKVMSPD</b> connect PC (PS/2) to Z-Series chain	
<b>Dimensions - (WxDxH)</b>	1.625" x 3.5" x 0.75"; 41 x 89 x 19mm
<b>Weight</b>	0.2 lbs; 0.09 kg
<b>Port</b>	RJ-45 in & out
<b>Terminator TER-RJ45</b> (one required per chain of Z-CIMs)	
<b>Dimensions - (WxDxH)</b>	0.436" x 0.875" x 0.5"; 11 x 22 x 13mm
<b>Weight</b>	0.006 lbs; 0.003 kg
<b>Warranty</b>	Two Years with Advanced Replacement*

**When you're ready to take control, do it with Raritan's Z-Series.**

Raritan Computer, Inc. is a leading supplier of IT infrastructure management solutions for secure access, monitoring and management of servers and other IT devices in data centers and remote offices. Raritan was founded in 1985, and since then has been making products that are used to control millions of servers at more than 50,000 network data centers, computer test labs, and multi-workstation environments around the world. From the small business to the enterprise, Raritan's complete line of compatible and scalable KVM and remote connectivity products offers IT professionals the most reliable, flexible and secure in-band and out-of-band solutions to manage data center equipment, while improving operational productivity. More information on the company is available at [Raritan.com](http://Raritan.com).

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 \*To qualify for advanced replacement under the standard warranty, you must register the product at [http://Raritan.com/standard\\_warranty](http://Raritan.com/standard_warranty).  
 Specifications are subject to change without notice.