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

## 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).

## 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.
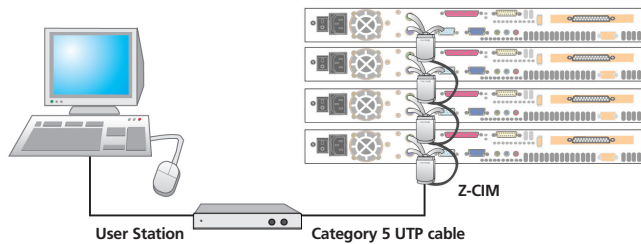
## System Components

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

## ≡≡≡ Raritan®

### When you're ready to take control.™

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.
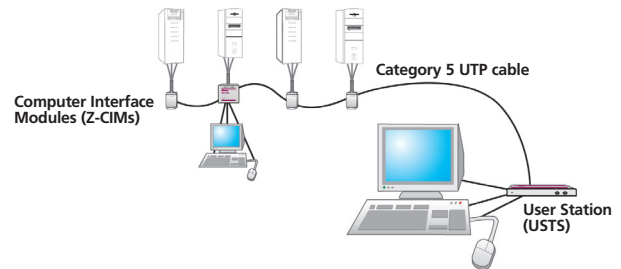
**Z-Series Connections**



User Station       Category 5 UTP cable       Z-CIM

**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**



Computer Interface Modules (Z-CIMs)       Category 5 UTP cable       User Station (USTS)

## Specifications

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

# When you're ready to take control, do it with Raritan's Z-Series.
## Call 1.800.724.8090 or visit Raritan.com/zseries