

# KH2508 / KH2516

## Cat 5 High Density KVM Switches

**ALTUSCN™**  
Enterprise KVM Solutions by ATEN

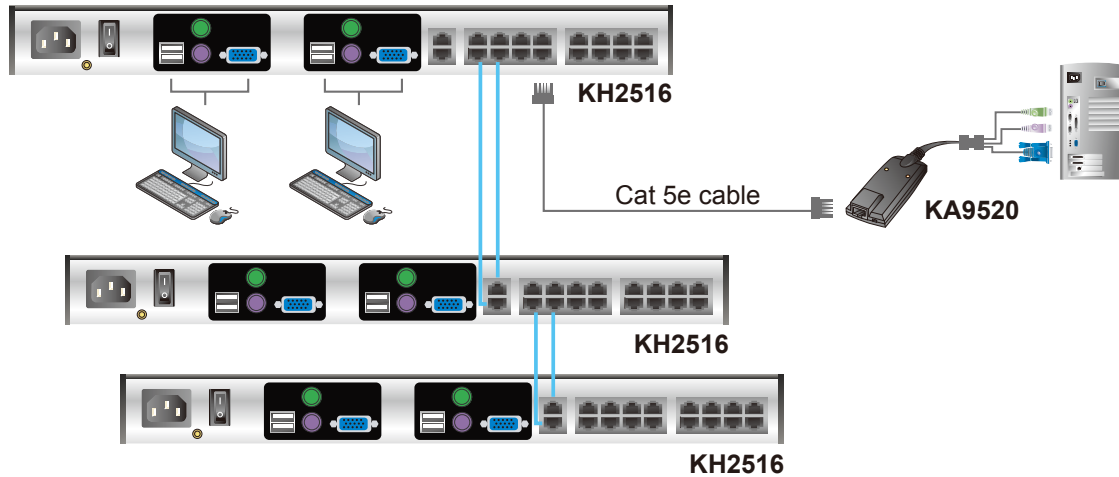
Altusen KH2508 / KH2516 Cat 5 High Density KVM Switches offer 8 and 16 computer port configurations within a 1U housing for convenient rack mounting and complete KVM connectivity with one slim Cat 5e cable. They allow IT administrators to control multiple computers from a single KVM (keyboard, monitor, and mouse) console. All switches are capable of expansion to provide complete control of 512 or 4096 computers from both consoles for a flexible and affordable solution for SMB server room administration.

## » FEATURES

- Two consoles independently and simultaneously control up to 8 or 16 directly connected computers
- Cascade up to 3 levels of KH2508 or KH2516 switches to support up to 512 or 4096 computers
- Non-blocked cascading allows both consoles on the master switch to access up to 1024 computers
- Superior video resolution – 1280 x 1024 @ 75 Hz up to 40 m; 1600 x 1200 @ 60 Hz up to 30 m
- Console conversion – any type of KVM console can control any type of computer; mixed combinations (PS/2 & USB) supported on both the KVM console and computer sides
- Multiplatform support – PC, Mac, Sun, and serial
- Connect USB flash drives for configuration backup and restore.
- Easy Installation – Simply plug in the cables. No software to configure; no complex installation routines.
- Simple Space-saving Cabling – Cat 5e reduces cable bulk by providing complete KVM connectivity in one cable.
- Supports two-level user access control
- Supports up to 96 user accounts
- Configure port access rights for users on a port-by-port basis
- Diversified port operation mode enables flexible computer management – Occupy, Exclusive and Share modes
- OSD port list automatically expands when stations are added
- Port names are automatically reconfigured when the station/computer sequence is changed
- OSD screen automatically adjusts to resolution changes
- Auto Scan mode enables continuous monitoring of user-selected computers
- User activity log support
- Dual Interface – supports computers and consoles with PS/2 or USB keyboards and mice
- USB / PS/2 keyboard and mouse emulation – computers boot even when the KVM console focus is elsewhere
- Free lifetime firmware upgrades
- Compact design

KH2516





Non-blocked cascade configuration installation design

## » Benefits

### Non-blocked Access

Both consoles connected to the master switch have simultaneous access to any computer on the same level and also have independent access to any computer in the installation.

### Dedicated Cascade Ports

Expand KVM installations via dual RJ-45 cascade ports, eliminating the need for extra KVM adapter cables

### Long-distance Transmission

Signals can travel up to 40 m (130 feet) without the need for KVM extenders.

### Multiplatform Support

The KH2508 / KH2516 permit any combination of PCs, Macs, Sun, and serial devices to coexist on the installation.

### Combo Console

Mixed combinations (PS/2 & USB) supported on both the KVM console and computer sides.

### Easy Configuration

Backup and restore configuration settings to an external flash drive to simplify installation on multiple switches, or for disaster recovery

*The following KVM Adapter Cables are required for use with the KH2508 / KH2516:*

|            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|            |  |  |  |   |  |
| Type:      | PS/2                                                                              | USB                                                                               | For all USB systems                                                               | Sun Legacy                                                                          | Serial                                                                              |
| Interface: |  |  |  |  |  |
|            | 6-pin Mini-DIN Male                                                               | USB Type A Male                                                                   | USB Type A Male                                                                   | 13W3 Male                                                                           | RS-232 DB-9 Female                                                                  |
|            |  |  |  |  |                                                                                     |
|            | 6-pin Mini-DIN Male                                                               | HDB-15 Male                                                                       | HDB-15 Male                                                                       | DIN 8 pin Male                                                                      |                                                                                     |
|            |  |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|            | HDB-15 Male                                                                       |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

## Specifications:

| Function             |                        | KH2508                                                                   | KH2516                                                       |
|----------------------|------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------|
| Computer Connections | Direct                 | 8                                                                        | 16                                                           |
|                      | Max.                   | 512(via Cascade)                                                         | 4096 (via Cascade)                                           |
| Port Selection       |                        | OSD                                                                      |                                                              |
| Connectors           | Console Ports          | Keyboard                                                                 | 2 x 6-pin Mini-DIN Female (Purple);<br>2 x USB Type A Female |
|                      |                        | Video                                                                    | 2 x HDB-15 Female (Blue)                                     |
|                      |                        | Mouse                                                                    | 2 x 6-pin Mini-DIN Female (Green);<br>2 x USB Type A Female  |
|                      |                        | USB                                                                      | 2 x USB Type A Female                                        |
|                      | KVM Ports              | 8 x RJ-45 Female                                                         | 16 x RJ-45 Female                                            |
| Switches             | F/W Upgrade            | 1 x RJ-11 Female (Black)                                                 |                                                              |
|                      | Cascade Ports          | 2 x RJ-45 Female                                                         |                                                              |
|                      | Power                  | 1 x 3-prong AC socket                                                    |                                                              |
|                      | Reset                  | 1 x Semi-recessed pushbutton                                             |                                                              |
|                      | F/W Upgrade            | 1 x Slide                                                                |                                                              |
| LEDs                 | Power                  | 1 x Rocker                                                               |                                                              |
|                      | On Line                | 8 (Green)                                                                | 16 (Green)                                                   |
|                      | Selected               | 8 (Orange)                                                               | 16 (Orange)                                                  |
|                      | Cascade                | 1 (Blue)<br>2 (Green)                                                    |                                                              |
| Emulation            | Keyboard / Mouse       | PS/2; USB (PC, Mac, Sun)                                                 |                                                              |
| Video                |                        | 1280 x 1024 @ 75 Hz (40 m max.)<br>1600 x 1200 @ 60 Hz (30 m max.) DDC2B |                                                              |
| Scan Interval        |                        | 1-255 Seconds                                                            |                                                              |
| I/P Rating           |                        | 100-240V AC; 50/60 Hz; 1 A                                               |                                                              |
| Power Consumption    |                        | 120/ 230V; 28 W                                                          | 120/230V; 30 W                                               |
| Environment          | Operating Temp.        | 0-50°C                                                                   |                                                              |
|                      | Storage Temp.          | -20-60°C                                                                 |                                                              |
|                      | Humidity               | 0-80% RH, Noncondensing                                                  |                                                              |
| Physical Properties  | Housing                | Metal / Plastic                                                          |                                                              |
|                      | Weight                 | 3.68 kg                                                                  | 3.74 kg                                                      |
|                      | Dimensions (L x W x H) | 43.36 x 28.78 x 4.40 cm (19" /1U)                                        |                                                              |

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