

# KH2508 / KH2516

## Cat 5 High Density KVM Switches

**ALTUSCN™**  
Enterprise KVM Solutions by ATEN

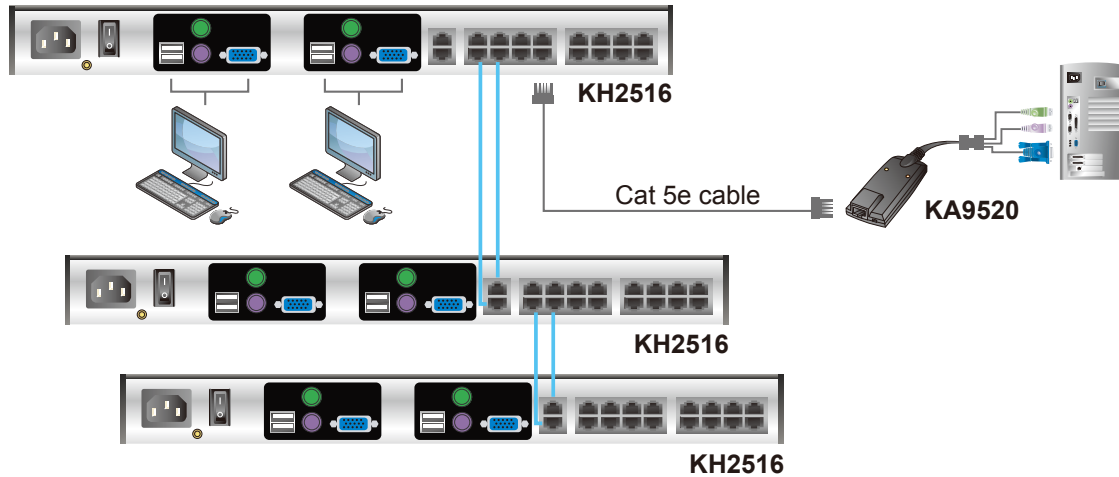
Altusen KH2508 / KH2516 Cat 5 High Density KVM Switches offer 8 and 16 computer port configurations within a 1U housing for convenient rack mounting and complete KVM connectivity with one slim Cat 5e cable. They allow IT administrators to control multiple computers from a single KVM (keyboard, monitor, 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:	KA9520	KA9570	KA9170	KA9130	KA9140
					
	PS/2	USB	For all USB systems	Sun Legacy	Serial
Interface:	 6-pin Mini-DIN Male  6-pin Mini-DIN Male  HDB-15 Male	 USB Type A Male  HDB-15 Male	 USB Type A Male  HDB-15 Male	 13W3 Male  DIN 8 pin Male	 RS-232 DB-9 Female

## 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); 2 x USB Type A Female
		Video	2 x HDB-15 Female (Blue)
		Mouse	2 x 6-pin Mini-DIN Female (Green); 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
F/W Upgrade	1 x RJ-11 Female (Black)		
Cascade Ports	2 x RJ-45 Female		
Power	1 x 3-prong AC socket		
Switches	Reset	1 x Semi-recessed pushbutton	
	F/W Upgrade	1 x Slide	
	Power	1 x Rocker	
LEDs	On Line	8 (Green)	16 (Green)
	Selected	8 (Orange)	16 (Orange)
	Power	1 (Blue)	
	Cascade	2 (Green)	
Emulation	Keyboard / Mouse	PS/2; USB (PC, Mac, Sun)	
Video	1280 x 1024 @ 75 Hz (40 m max.) 1600 x 1200 @ 60 Hz (30 m max.) DDC2B		
Scan Interval	1-255 Seconds		
IP 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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