

# ALTUSCN™ MP0101

## Matrix Plus MP Series

For tailored expansion options, the Matrix Plus MP series allows you to add servers on a one-by-one basis, instead of you having to buy another Matrix KVM Switch. All that is required is a master MP0101 Matrix Plus and then you can add as many CPU modules as necessary. Whether you have USB, PS/2 or Sun systems, you can link the CPU modules to the Master Module for complete control and maximum flexibility. This option not only offers you the most flexibility, it also occupies the least amount of rack space. If server room space is a major concern, ATEN's MP series is the perfect solution.

NEW OS Support

Vista

(MP0101M/MP0101P/MP0101U)

### Master Module

**USB Master Module MP0101M**



### Console Modules

**PS/2 Console Module MP0101P**



**USB Console Module MP0101U**



### KVM Adapter Cable

**PS/2 KVM Adapter Cable MP0120**

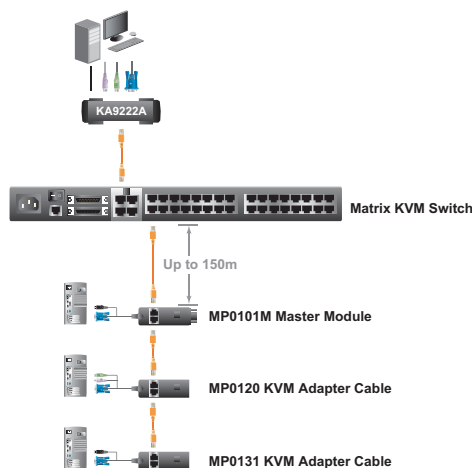
**SUN KVM Adapter Cable MP0130**

**USB KVM Adapter Cable MP0131**

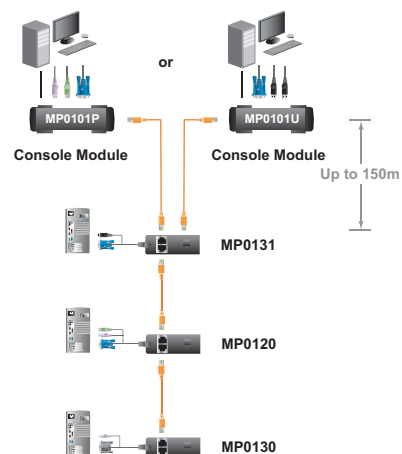


### Diagram

#### Matrix KVM Switch Cascade Chain



#### Standalone chain



\*The KM0832 does not require a master module to cascade Matrix Plus KVM adapter cables.

## Matrix Plus MP Series

### Features

#### MP0101M Master Module

- Chain down from any available matrix KVM switch KVM port—supports a chain of up to 16 KVM adapter cables plus a single USB PC connection
- MP0101M Master Module and matrix KVM switch can be installed up to 150 meters apart
- Hot pluggable—add or remove any components (modules and servers) without having to power off the matrix KVM switch
- Firmware can be upgraded “live” without removing or powering off any components on the chain
- Chain Alive function supports power from both the attached servers and the chain bus—ensuring that the entire chain functions even if one of the servers on the chain loses power
- Keyboard and mouse emulation—servers boot even when the console focus is elsewhere
- Superior video quality—supports resolutions of up to 1280 x 1024 @ 60Hz; DDC2B

### Specifications

#### Master Module

Function			MP0101M
Connectors	Local Computer Ports	Keyboard	1 x USB Type A Male (Black)
		Mouse	
		Video	1 x HDB-15 Male (Blue)
	Link to Matrix KVM		1 x RJ-45 Female
	Link to KVM Adapter Cable		1 x RJ-45 Female
F/W Upgrade			1 x 4-conductor 3.5mm Jack
Power			1 x DC Jack
Switches	F/W Upgrade		1 x Slide
LEDs	Station ID		2 x 7-segment (Orange)
	Link		1 (Green)
Power Consumption			DC5V; 0.9W

\* The specifications and pictures are subject to change without notice.

#### Console Modules

- Allows a single console to control a local computer and up to 62 additional servers via the daisy chained KVM adapter cables
- Control servers regardless of differences in monitor, keyboard, and mouse interfaces
- Built-in ASIC for greater reliability and compatibility
- Connects to KVM adapter cables via standard Cat 5 (or higher) cable
- Superior video quality—supports resolutions of up to 1280 x 1024 @ 60Hz at up to 150 meters away
- Automatic gain control

#### Console Module

Function			MP0101P	MP0101U
Connectors	Console Ports	Keyboard	1 x 6-pin Mini-DIN Female (Purple)	1 x USB Type A Female (White)
		Video	1 x HDB-15 Female (Blue)	
		Mouse	1 x 6-pin Mini-DIN Female (Green)	1 x USB Type A Female (White)
	Link to KVM Adapter Cable		1 x RJ-45 Female	
	Link to Local PC		1 x SPHD-15 Female (Yellow)	1 x SPHD-15 Female (Green)
F/W Upgrade			1 x 4-conductor 3.5mm Jack	
Power			1 x DC Jack	
Switches	F/W Upgrade		1 x Slide	
	Local/Remote		1 x Pushbutton	
LEDs	Link		1 (Green)	
	Local		1 (Orange)	
	Remote		1 (Orange)	
Video			1280 x 1024 @ 60 Hz; 150 m	
Power Consumption			DC5V; 2.0W	DC5V; 2.6W

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#### KVM Modules

- Auto Signal Compensation (ASC)—no DIP switch setting necessary to compensate for distances of up to 150 meters between the console module and KVM adapter cables
- Chain Alive function supports power from both the attached computers and the chain bus—ensuring that the entire chain functions even if one of the servers on the chain loses power
- Hot plug any server or any daisy chain connection
- Firmware can be upgraded “live” without removing or powering off any components on the chain
- Keyboard and mouse emulation—computers boot even when the console focus is elsewhere
- Multiplatform support—KVM adapter cables allow PC, Mac and Sun servers to coexist on the same chain
- The KVM adapter cable chain sequence positions are automatically detected and displayed on a two digit Port ID LED—no DIP switch setting necessary

#### KVM Module

Function			MP0120	MP0131	MP0130
Connectors	Computer Ports	Keyboard	1 x 6-pin Mini-DIN Male (Purple)	1 x USB Type A Male (Black)	1 x 8-pin Mini-DIN Male (Purple)
		Mouse	1 x 6-pin Mini-DIN Male (Green)		
		Video	1 x HDB-15 Male (Blue)		1 x 13W3 Male (Gray)
	Daisy Chain Ports	In	1 x RJ-45 Female		
Out		1 x RJ-45 Female			
Switches	F/W Upgrade		1 x Slide		
LEDs	Station ID		2 x 7-segment (Orange)		
	Link		1 (Green)		
Power Consumption			DC5V; 1.2W	DC5V; 1.5W	DC5V; 1.0W

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