

# 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.

### Master Module

**USB Master Module MP0101M**



### Console Modules

**PS/2 Console Module MP0101P**



**USB Console Module MP0101U**



### CPU Modules

**PS/2 CPU Module MP0120**



**SUN CPU Module MP0130**

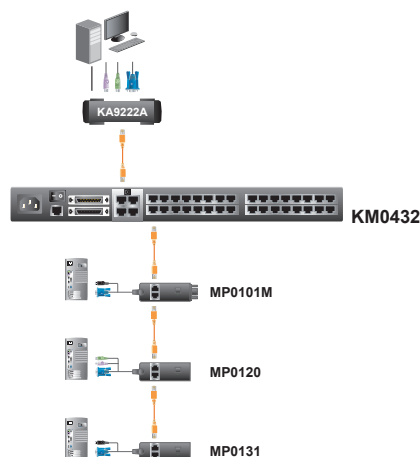


**USB CPU Module MP0131**

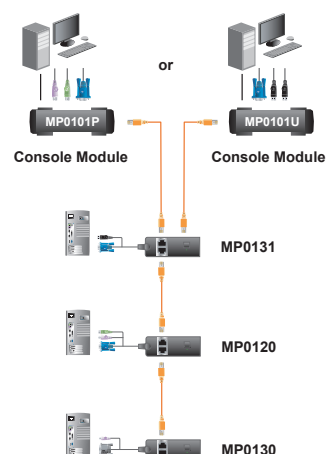


### Diagram

#### Matrix KVM Switch Cascade Chain



#### Standalone chain



## Matrix Plus MP Series

### Features

#### MP0101M Master Module

- Chain down from any available Matrix KVM Switches' computer port - supports a chain of up to 16 KVM Modules plus a single USB PC connection
- MP0101M Master Module can be up to 150 m away from the Matrix KVM Switch
- 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 computers on the chain loses power
- Hot pluggable; add or remove any components (modules and computers) without having to power off the Matrix KVM Switch
- Firmware can be upgraded "live" without taking down any components on the chain
- Keyboard and mouse emulation - computers 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 KB & Mouse	1 x USB Type A (On Molded Cable)
	Local Computer Video	1 x HDB-15 Male
	Link to Matrix KVM Switch	1 x RJ-45 Female
	Link to KVM Adapter Cable	1 x RJ-45 Female
	Firmware Upgrade	4 Pin Earphone Jack
LEDs	Power	1 x DC 5V Jack
	Station ID	2 x 7 Segments
Switches	Link	1 (Green)
		1 x Slide (FW Upgrade Recovery)
Power Consumption	DC5V; 1.75W	
Environment	Operating Temp.	0°C-40°C
	Storage Temp.	-20°C-60°C
	Humidity	0-80% RH, NC
Physical properties	Housing	Metal
	Weight	0.445 kg
	Dimensions	17.85 x 4.20 x 3.50 cm

#### Console Modules

- Supports a daisy chain of up to 62 KVM Modules plus attached computers
- Allows a single KVM console to control a local computer and up to 62 additional computers by means of the daisy chained KVM Modules
- Console conversion allows either the USB or PS/2 Console Module to control any type of computer - PC, Mac, or Sun
- Built in ASIC for greater reliability and compatibility
- Category 5 cable to chain to the KVM Modules
- High resolution video; up to 1280 x 1024 @ 60 Hz; 150m (max.)
- Automatic gain control

#### Console Module

Function	MP0101P	MP0101U
Connectors	Console KB	1 x mini-DIN-6 Female
	Console Video	1 x HDB-15 Female
	Console Mouse	1 x mini-DIN-6 Female
	Link to KVM Adapter Cable	1 x RJ-45 Female
	Link to LOCAL Computer	1 x SPHD-15 Female
	Firmware Upg.	4 Pin Earphone Jack
	Power	1 x DC 5V Jack
LEDs	Link	1 (Green)
	Local	1 (Orange)
	Remote	1 (Orange)
Switches	FW Upg. Recov.	1 x Slide
	Local/Remote	1 x Pushbutton
Video	1280 x 1024 @ 60 Hz; 150 m	
Power Consumption	DC5V; 2.0W	DC5V; 2.6W
Environment	Operating Temp.	0°C - 40°C
	Storage Temp.	-20°C - 60°C
	Humidity	0-80% RH, NC
Physical properties	Housing	Metal
	Weight	0.725 kg
	Dimensions	21.26 x 8.91 x 5.55 cm

#### KVM Modules

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances of up to 150 meters between the Console Module and the KVM Module
- 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 computers on the chain loses power or is turned off
- Station ID LED to indicate the module's position in the daisy chain
- Cable length adjustment slides
- Detachable bracket for convenient mounting on the side of a system rack.
- Hot plug any computer or any daisy chain connection-KVM Module
- Firmware can be upgraded "live" without taking down any of the components
- Keyboard and mouse emulation - computers boot even when the console focus is elsewhere
- Multiplatform support: KVM Modules allow PC, Mac and Sun computers to coexist on the same chain
- The KVM Module chain sequence positions are automatically detected and displayed on a two digit Station ID LED - no DIP switch setting necessary

#### KVM Module

Function	MP0120	MP0131	MP0130
Connectors	KB	1 x mini-DIN-6 Male	1 x USB Type A Male
	Mouse	1 x mini-DIN-6 Male	1 x mini-DIN-8 Male
	Video	1 x HDB-15 Male	1 x 13W3 Male
	Chain In	1 x RJ-45 Female	
	Chain Out	1 x RJ-45 Female	
LEDs	Station ID	2 x 7segments	
	Link	1 (Green)	
Switches	1 x Slide (FW Upgrade Recovery)		
Power Consumption	DC5V; 1.2W	DC5V; 1.5W	DC5V; 1.0W
Environment	Operating Temp.	0°C - 40°C	
	Storage Temp.	-20°C - 60°C	
	Humidity	0-80% RH, NC	
Physical properties	Housing	Plastic	
	Weight	0.250 kg	0.260 kg
	Dimensions	13.83 x 4.20 x 4.20 cm	

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