



# Pacific MS-1/MS-4 Plus

The Pacific MS-1 Plus and MS-4 Plus are modular matrix switchers that incorporate distribution, multiview, and operation of up to 12 and 28 computers and video signals into a 1 and 4 RU enclosure. It offers high-speed video routing, flexible KVM switching, and multiview capabilities through various card combinations with support up to 4096x2160 (4K DCI) @50/60Hz.

Designed for streamlined operation of multiple systems by multiple users, the Pacific MS Plus enables the creation of multi-screen workstations, mixing multiview and single-view outputs by grouping display outputs in the web browser-based graphical user interface (GUI).

The **"Surfer"** feature allows an operator to use one mouse and keyboard to move the mouse cursor across multiple monitors/windows, and manage and seamlessly switch remote control to any of the input systems.

The Pacific MS Plus provides a web GUI for switching and routing, set up, configuration, and maintenance. The web GUI has advanced settings such as OSD control, multiview layout presets, and output resolution adjustment. The Pacific MS Plus is ideal for a wide range of applications with multiple computer and video sources.

## FEATURES

### MODULAR CARD-BASED DESIGN

- Non-blocking 12x12 [MS-1 Plus]\*, 28x32 [MS-4 Plus]\* matrix architecture for video and mouse/keyboard switching
- Redundant power supply ensures mission-critical reliability (additional power supply required for redundant power)
- Field serviceable fan and hot-swappable Input/Output cards for the Pacific MS-1 Plus and MS-4 Plus

\*Supports keyboard/mouse and Input/Output switching through web browser-based GUI.

### FLEXIBLE I/O, WORKSTATION AND VIDEOWALL CONFIGURATION

- Wide selection of Input/Output cards for signal routing, quad-multiview/single-view monitoring and KVM switching
- Auto-senses HDMI or DVI input resolution up to 4K 60Hz UHD (supports HDMI 2.0/1.4 )
- HDMI Input/Output cards are HDCP compliant with support for 8-channel embedded audio
- Input and output cards have integrated scalers to support different input and output resolutions
- Quad multiview or single-view fullscreen 4K 60Hz output cards provide mouse/keyboard control of inputs
- Output grouping and **"Surfer"** feature empower streamlined user space operation (control of up to 12 systems for MS-1 Plus or up to 28 systems for MS-4 Plus across multiples screen via one set of mouse and keyboard)
- Videowall Controller with KVM-multiview User Workstation (future addition)

### INTUITIVE CONTROL AND SYSTEM ADMINISTRATION\*

- Web browser-based GUI facilitates switching and configuration of grouped user spaces, USB mouse and keyboard assignment
- Multiview of all sources available with touch control of sources
- Drag-and-drop video routing and keyboard/mouse switching from any input to any output on the web browser-based GUI
- Third party control possible through HTTP/HTTPS and ASCII commands

\*All Pacific MS USB interfaces are USB 2.0 compliant.

## SPECIFICATIONS

CHASSIS	1RU and 4RU chassis each house up to 6 and 15 signal Input/Output cards respectively	
FRONT PANEL		
<b>Control Card</b> (local system control)	Input	1 × RJ-45 (Ethernet) 4 × USB-A (2.0; mouse/keyboard control) 1 × DB-9 (RS-232/RS-485/RS-422 for serial control protocol, only one protocol in a time) 1 × HDMI (local video source/system connection) Resolution up to 4096 × 2160 @50/60 Hz (HDCP compliant)
	Output	2 × HDMI (multiview display for all input sources) [MS-4 Plus supports one HDMI output] Max. Resolution : 4096 × 2160 (4K DCI) @50/60 Hz (HDCP compliant) — automatic detection
REAR PANEL		
<b>MS I4K60H Card</b> (HDMI input)	Input	4 × HDMI (2.0; video with 8-channel embedded audio) Resolution up to 4096 × 2160 @50/60 Hz (HDCP compliant)
<b>MS O4K60H Card</b> (HDMI Single-view output)	Input	4 × USB-A (2.0; HID connection)
	Output	4 × HDMI (2.0; video with 8-channel embedded audio) Max. Resolution : 4096 × 2160 (4K DCI) @50/60 Hz (HDCP compliant) — automatic detection
<b>MS O4K60Q Card</b> (4K Quad multiview output)	Input	2 × USB-A (2.0; HID connection)
	Output	1 × HDMI (2.0; Quad-view display for 4 systems with 8-channel embedded audio fro each video) Max. Resolution : 4096 × 2160 (4K DCI) @50/60 Hz (HDCP compliant) — automatic detection
<b>MS O4K60Q4 Card</b> (4K Duplicated Quad multiview output)	Input	2 × USB-A (2.0; HID connection)
	Output	4 × HDMI (2.0; duplicated Quad-view display) Max. Resolution : 4096 × 2160 (4K DCI) @50/60 Hz (HDCP compliant) — automatic detection
<b>KM Card</b> (Keyboard/Mouse connection)	8 × USB-B (2.0; mouse/keyboard connection to computer source system)	
<b>Pacific KM2060 (S)</b> (Keyboard/Mouse connection)	8 × USB-B (2.0; mouse/keyboard connection to computer source system) Stand-alone KM box support up to 12 (MS-1 Plus) / 28 (MS-4 Plus) computer source systems	
POWER SUPPLY	12V DC / 20A (MS-1 Plus) ; 100-240V AC 50/60 Hz (MS-4 Plus)	
POWER CONSUMPTION	Max. 245 Watt (MS-1 Plus) ; 700 Watt (MS-4 Plus)	
DIMENSION (LxWxH)	12.36 × 17.28 × 1.75 inch (31.40 × 43.90 × 4.44 cm) (MS-1 Plus) 12.61 × 17.28 × 7.00 inch (32.02 × 43.90 × 17.76 cm) (MS-4 Plus)	
WEIGHT	Max.10.47 lbs (4.75 kg) (MS-1 Plus) ; 30.31 lbs (13.75 kg) (MS-4 Plus)	
TEMPERATURE	Operation	0°C (32°F) to 40°C (104°F)
	Storage	-10°C (14°F) to 50°C (122°F)
SAFETY REGULATION	FCC, CE, C-Tick, Class A	

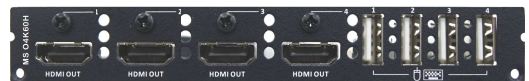
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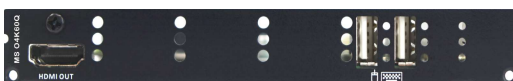
### Pacific MS I4K60H Card



### Pacific MS O4K60H Card



### Pacific MS O4K60Q Card



### Pacific MS O4K60Q4 Card



### Pacific MS KM Card



### Pacific KM2060 (S)

