

# Q-SYS ROOMSUITE MODULAR SYSTEM

Base Bundle (RS-MOD-BB)

## RMP-100 QIO-VEN4

### KEY FEATURES

#### RMP-100

- Application specific processor for the meeting room
- Integrated Ethernet switching with PoE PSE
- Network video decoding (1080p)
- Integrated video switching with dual outputs and decoding allows for multiple video sources to be used in the system
- USB AV bridging (audio and camera) for local UC compute
- Direct connect to occupancy sensor for simple room automation

#### QIO-VEN4

- IP Video endpoint with integrated Ethernet switch
- Video encoder - 1080p60 4:2:2
- Single cable USB-C AV bridging and DisplayPort Alt-mode for content sharing
- PoE++ powered
- Integrated PoE Ethernet switch provides simple connectivity to table mounted endpoints



### Q-SYS RMP-100

#### Q-SYS RoomSuite Modular System Processor

The **Q-SYS RMP-100** is a versatile collaboration processor at the heart of the Q-SYS RoomSuite Modular System. Designed to simplify installation, configuration, and deployment for medium to large conference rooms.

The RMP-100 offers multiple conferencing modes for Bring Your Own Meeting (BYOM), Microsoft Teams Rooms, and Zoom Rooms. Compatible with a variety of Q-SYS collaboration peripherals as well as third-party Dante ceiling array microphones.

#### SIMPLE CONNECTIVITY

The integrated PoE Ethernet switch provides direct connectivity to support Q-SYS collaboration endpoints (NL, NM and NC Series products). The RMP-100 easily supports video conferencing and content sharing via USB-C and HDMI connectivity.

#### INTEGRATED VIDEO

The dual input / output video switch with video decoding, provides flexible connectivity to meeting room video sources and displays.

#### USB AV BRIDGING

Q-SYS USB AV bridging provides simple connectivity for UC compute devices bridging all system audio and camera signals for use with leading UC platforms.

#### EXPANSIVE DEVICE SUPPORT

The RMP-100 processor supports all Q-SYS NL Series network loudspeakers, NM-T1 network microphone, NC Series network cameras (NC-90-G2, NC-12x80, NC-20x60 network cameras), TSC Series touch screen controllers, and 3rd party Dante ceiling array microphones.

### Q-SYS QIO-VEN4

#### Q-SYS RoomSuite Modular System Expander

The **Q-SYS QIO-VEN4** is a modular design expander intended for use in conference room solutions. It separates functionalities such as display, microphones, and loudspeakers into distinct components, enhancing flexibility and scalability in audio-visual setups. The QIO-VEN4 can process video streams and supports audio bridging, making it suitable for various conferencing applications.

#### SIMPLE ENDPOINT CONNECTIVITY

The integrated PoE Ethernet switch provides direct connectivity to support for table mounted Q-SYS collaboration endpoints (NM and TSC Series products).

#### SINGLE CABLE USB

Provides simple connectivity to laptops for BYOM applications, while simultaneously supporting DisplayPort alt-mode video for content sharing.

RMP-100		QIO-VEN4
<b>SYSTEM DETAILS</b>		
AV LAN ethernet ports	7x 1 Gbps ports, PoE+ output	4x 1 Gbps, PoE+ output
Expander ethernet ports	1x 1 Gbps port, PoE++ output (IEEE 802.3at Type 1)	1x 1 Gbps, PD PoE++ (IEEE 802.3bt Type 4)
External ethernet ports	2x Auxiliary ports (No PoE power)	-
PoE power budget	212 W total, all ports (IEEE 802.3bt Type 4)	51 W total, ports 1-4
<b>VIDEO I/O</b>		
Inputs	1x HDMI 2.0 input (BYOM: 4k60 capable with audio; ZR/MTR: 1080p60 capable with audio) 1x HDMI 2.0 input (BYOM: 4k60 capable with no audio; ZR/MTR: 1080p60 capable with no audio)	1x HDMI 2.0 input (1080p60 capable + audio)
Outputs	2x HDMI 2.0 outputs (BYOM: 4k60 capable; ZR/MTR: 1080p60 capable)	-
<b>CONTROL</b>		
RS-232	2 ports for display control	-
GPIO	1 input (occupancy sensor connectivity, +24 V / 50 mA)	-
CEC	Supported on HDMI video outputs	-
<b>USB INPUTS &amp; OUTPUTS</b>		
USB	1x USB-C port	1x USB-C with DP-Alt mode support (1080p60)
	1x USB-A (not supported)	1x USB-A (not supported)
<b>CONTROLS &amp; INDICATORS</b>		
Front	Power LED ID button and indicator	
Unused ports	RF antenna (not supported)	3.5mm headset (not supported)
<b>POWER SUPPLY</b>		
Power supply rating	100 - 240 VAC, ~50 / 60 Hz, 4A Max <sup>1</sup>	PoE++ (IEEE 802.3bt Type 4) <sup>2</sup>
<b>PHYSICAL</b>		
Product dimensions (L x W x H)	10.5 × 8.6 × 8.7 in (266 × 217 mm x 220 mm)	7.3 × 5.2 × 1.2 in (185 × 133 × 31 mm)
Product weight	4.30 lbs (1.95 kg)	1.72 lbs (780 g)
Shipping carton dimensions (L x W x H)	19.1 × 13.6 × 3.5 in (485 × 345 × 89 mm)	13.3 × 7.3 × 1.8 in (338 × 186 × 45 mm)
Included accessories	Removable rack ears 54 V DC power supply 1x AC mains power cords (country specific) I/O connector Regulatory and safety pamphlet Warranty statement	Surface mounting accessories Cable strain relief Safety and warranty statements
<b>ENVIRONMENTAL &amp; SAFETY</b>		
Storage temperature range	-4° to 158° F (-20° to 70° C)	-4° to 158° F (-20° to 70° C)
Storage humidity range	5% to 85%	5% to 85%
Operating temperature range	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
Operating humidity range	5% - 85%	5% - 85%
Thermal dissipation (excluding POE Loads)	69 BTU / hour (20 W)	51 BTU / hour (15 W)
Power consumption (including POE loads)	200 W typical, 245 W maximum	55 W typical, 70 W maximum
Battery chemistry	Lithium Carbon Monofluoride	-

1. Includes 54 V DC power supply

2. Supplied by RMP-100

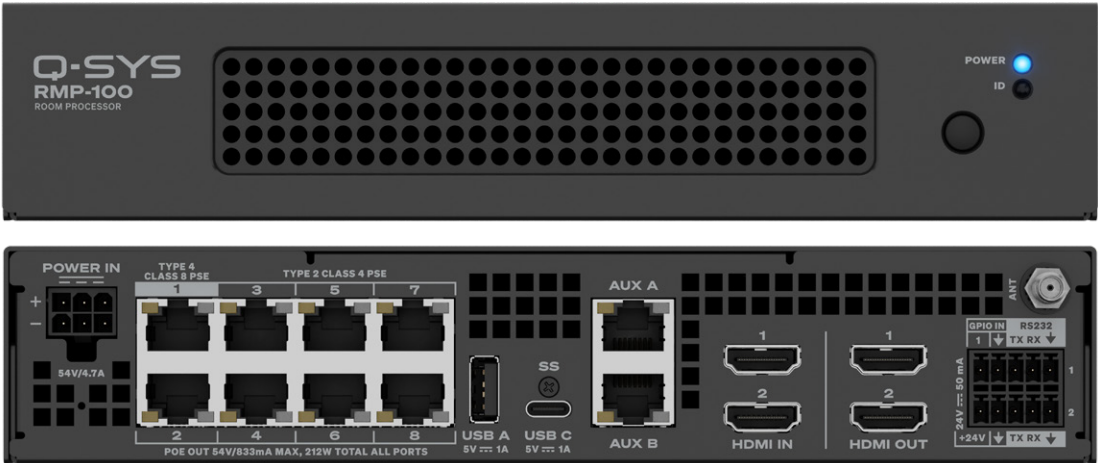
BASE BUNDLE CABLE KIT

- 2x HDMI cables 2m: RMP-100 display outputs
- 1x USB-C to USB-C: RMP-100 AV bridging
- 1x USB-C to USB-C w/USB-A adapter hood: QIO-VEN4 AV bridging

RS-MOD-BB RoomSuite Modular System Base Bundle



RMP-100



QIO-VEN4

