![Q-SYS logo]

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 Reflect Plus (Optional)

- Remotely monitor and manage Q-SYS spaces including Q-SYS RoomSuite Modular Systems and Core-based systems from a single interface

- Deploy presets to Q-SYS RoomSuite Modular Systems

- Perform bulk firmware updates remotely to simplify ongoing system maintainance at scale

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-12×80, NC-20×60 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
SYSTEM DETAILS		
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
VIDEO I/O		
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)	-
CONTROL		
RS-232	2 ports for display control	-
GPIO	1 input (occupancy sensor connectivity, +24 V / 50 mA)	-
CEC	Supported on HDMI video outputs	-
USB INPUTS & OUTPUTS		
USB	1x USB-C port	1x USB-C with DP-Alt mode support (1080p60)
	1x USB-A (not supported)	1x USB-A (not supported)
CONTROLS & INDICATORS		
Front	Power LED ID button and indicator	
Unused ports	RF antenna (not supported)	3.5mm headset (not supported)
POWER SUPPLY		
Power supply rating	100 - 240 VAC, ~50 / 60 Hz, 4A Max[1]	PoE++ (IEEE 802.3bt Type 4)
PHYSICAL		
Product dimensions (L x W x H)	10.5 × 8.6 × 1.7 in (267 × 218 × 43 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
ENVIRONMENTAL & SAFETY		
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	-

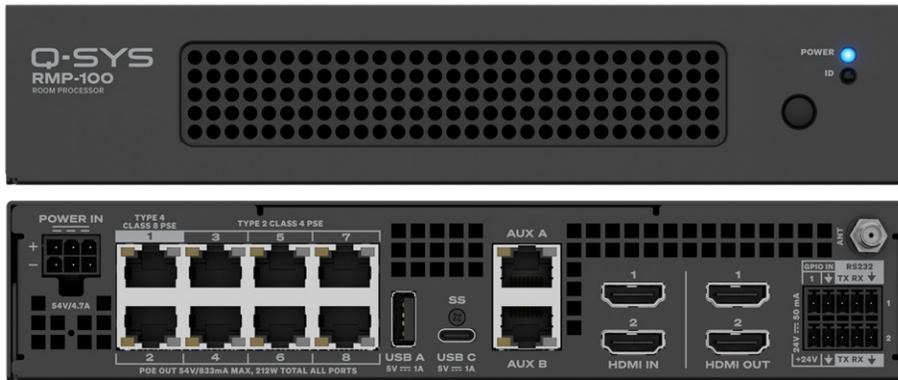1. Includes 54 V DC power supply
2. Supplied by RMP-100

Q-SYS

PERIPHERAL SUPPORT	Max Quantity
Q-SYS Cameras: NC-90-G2; NC-12×80, NC-20×60	**2**
Q-SYS Loudspeakers	
NL-C4, NL-P4 (ceiling/pendant)	**4**
NL-SB42 (soundbar)	**2**
Microphones	**4 (total)**
Q-SYS NM-T1	**3 or 4**
3rd party ceiling microphones (Dante): Audio Technica ATND1061, Sennheiser TCC M, Sennheiser TCC 2 Shure MXA901, Shure MXA902, Shure MXA920, Yamaha RM-CG	**1**
Q-SYS Touch Screen Controllers: TSC-101-G3, TSC-70-G3	**2**

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

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