Q-SYS-AES8x8

KEY FEATURES

- Native digital audio I/O expander for Q-SYS

- Four (4) pairs of AES3 digital inputs and four (4) pairs of AE3S digital outputs (total of 8 input and 8 output channels)

- Power-over-Ethernet capable

- Daisy-chain up to four QIO network I/O expanders on a single network run (with local daisy-chained DC power)

- Simple drag-and-drop integration and comprehensive management via Q-SYS Designer Software and Q-SYS Reflect Enterprise Manager

- Surface- or rack-mountable

- Includes surface mounting hardware

- QIO-RMK rack mounting kit sold separately

- QIO-PSU DC power supply sold separately

Q-SYS QIO-AES8x8

Network AES3 expander for Q-SYS

The Q-SYS QIO-AES8x8 expands your Q-SYS system's capabilities to enable streamlined interoperability with AES3-enabled network audio devices. By separating local I/O from processing hardware, the QIO Series network I/O expanders offer modular and easily scalable network I/O to support your desired topology.

BENEFITS

The Right I/O Where You Need It: The QIO-AES8x8 allows you to provide your Q-SYS system with greater flexibility to deploy digital audio connectivity where it's most convenient. Each of the QIO Series I/O expanders features a compact form factor that can be rack- or surface-mounted:

QIO-AES8x8: The QIO-AES8x8 provides four (4) stereo pairs of AES3 digital inputs and four (4) stereo pairs of AES3 digital outputs, for a total of 8 input channels and 8 output channels. It integrates a broad range of digital sources such as media servers, mixing consoles, DAWs or other digital recording and playback devices.

Expanded I/O customization: QIO Series is intended to present a simpler way to add network I/O connectivity to Q-SYS systems, decoupling the physical location of the I/O from processing hardware to support distributed or centralized processing architectures. Additionally, QIO Series lets you customize your I/O configuration, and compliments the strengths of newer Q-SYS Core models that were designed with fewer onboard I/O options (Core Nano, Core 8 Flex, or NV-32-H (Core Capable)).

Simplicity & scalability: Daisy-chain up to four of the QIO Series devices on a single network run (with local daisy-chained DC power) to consume fewer network ports, avoid rack clutter, and allow for quicker future expansion without pulling additional network cables. Alternatively, QIO Series are also PoE-capable, providing simple single cable connectivity (when devices aren't daisy-chained)..

Designed for Q-SYS: QIO Series network I/O are native to Q-SYS, a cloud-manageable audio, video and control platform, built to deliver scalable, flexible AV solutions well into the future.

Q-SYS QIO-AES8x8

Connectivity	Four (4) pairs of AES3 digital inputs and four (4) pairs of AES3 digital outputs (8 input and 8 output channels total)
Mic/Line Inputs	
Input impedance	110 Ω (balanced)
Output impedance	110 Ω (balanced)
Group Delay	65 samples with SRC enabled
Sample rate	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz (with sample rate conversion to Q-SYS system rate of 48 kHz)
Bit depth	24 bit
Other connectors	
External power supply	24 VDC nominal, 2.5A on Euro connector with second connector for daisy-chaining (QIO-PSU power supply sold separately)
LAN (PoE)	Gigabit LAN connection for Q-LAN, PoE
PoE specifications	Conforms to IEEE 802.3af Type 1, Class 2
LAN (thru)	Ethernet daisy-chaining
General	
Dimensions	8.5 x 4.25 x 1.59 in (215.9 x 108 x 40.4 mm)
Weight	1.72 lb (0.78 kg)
Mounting options	Surface- and wall-mountable (hardware included) Rack-mountable; 1RU, quarter-rack width (QIO-RMK rack kit sold separately)
Environmental	
Thermal dissipation	11 BTU / Hour