

Q-SYS QIO-IR1x4

KEY FEATURES

- Native control I/O expander for Q-SYS
- First native IR connectivity solution for Q-SYS
- One (1) IR receiver input and four (4) IR emitter outputs
- 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



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Network IR I/O expander for Q-SYS

The Q-SYS QIO-IR1x4 expands your Q-SYS system's capabilities to enable streamlined interoperability with non-networked control devices via IR connectivity. 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-IR1x4 allows you to provide your Q-SYS system with greater flexibility to deploy Serial control 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-IR1x4: For the first time on a native Q-SYS product, add IR control connectivity to your system. The QIO-IR1x4 includes one (1) IR receiver input and four (4) IR emitter outputs, enabling Q-SYS control for any number of professional/consumer devices including video displays, media players and more.

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 complements 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. At its foundation, the Q-SYS OS serves as the software foundation that manages your QIO Series devices along with a multitude of other native Q-SYS Products in the platform. Additionally, the modern IT architecture and development tools of the Q-SYS Platform enable an entire Ecosystem of third-party devices developed by approved Q-SYS Partners, as well as a worldwide community of Q-SYS developers using the available tools found in Q-SYS Open.

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IR/Serial Output Ports

IR output or RS-232 (transmit only)	Four (4) configurable ports
IR	Configurable carrier frequency and drive strength
RS232	Configurable baud rate
LED indicators	IR transmit activity

IR Input Ports

IR Input Ports	One (1) port, bandwidth TBD
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Other Connectors

External power supply	24 VDC nominal, 2.5 A 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 specification	Conforms to IEEE 802.3af Type 1
LAN (Thru)	Ethernet daisy-chaining

General

Dimensions	5.5 x 4.25 x 1.59 in (139.7 x 108 x 40.4 mm)
Weight	1.18 lb (0.54 kg)
Mounting options	Surface- and wall-mountable (hardware included) Rack-mountable; 1RU, quarter-rack width (QIO-RMK rack kit sold separately)

Environmental

Ambient operating temperature range	0° to 50°C
Thermal dissipation	7.2 BTU / Hour
Humidity	0%-85% through 30°C non-condensing
Storage temperature	-20° to 70°C
Compliance	FCC 47 CFR Part 15, IC ICES-003, CE (EN55032, EN55035), EU RoHS directive 2011/65/EU, WEEE directive 2012/19/EU, China RoHS directive GB/T26572, EAC, UL, C-UL, NOM-019

