Q-SYS QIO-GP8x8

NETWORK GPIO EXPANDER FOR Q-SYS

KEY FEATURES

- Native control I/O expander for Q-SYS
- Eight (8) logic inputs and eight (8) logic 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



The Q-SYS QIO-GP8×8 expands your Q-SYS system's capabilities to enable streamlined interoperability with non-networked control devices via GPIO 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.

THE RIGHT I/O WHERE YOU NEED IT

The QIO-GP8×8 allows you to provide your Q-SYS system with greater flexibility to deploy GPIO 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-GP8×8

The QIO-GP8×8 provides eight (8) logic inputs and eight (8) logic outputs to provide further GPIO expansion to systems needing to interface with occupancy sensors, push buttons, LED indicators, buzzers 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 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).

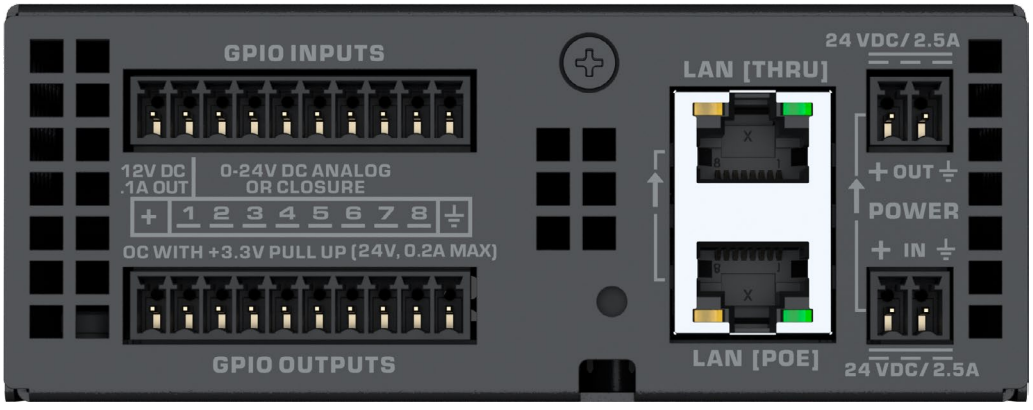
SIMPLICITY & SCALABILITY

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. 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. Alternatively, QIO Series are also PoE-capable, providing simple single cable connectivity (when devices aren't daisy-chained)

GPIO CONNECTIVITY	
General purpose inputs	0-24 VDC analog input, digital, or contact closure; configurable pull-up to +12 V
General purpose outputs	Open collector, 24 VDC @ 200 mA sink max; internal pull-up to 3.3.V
GPIO 12 VDC power pins	12 VDC out at 100 mA max per pin, with resettable fuse
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 Type1
LAN (Thru)	Ethernet daisy-chaining
GENERAL	
LAN (Thru)	Ethernet daisy-chaining
Dimensions	5.5 × 4.25 × 1.59 in (139.7 × 108 × 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 *If installing a GP8×8 in a multi-unit rack assembly with units on all sides, the maximum operating temperature should not exceed 40°C when devices are placed above or below.
Thermal dissipation	9.1 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



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