



Q-SYS™

Integrated System
Platform

I/O Frame 8s

Features

- I/O Frames may be equipped with a variety of audio input and output cards
- Premium 24-bit AD and DA conversion used throughout
- I/O Frames may be located with the Core or remotely – whichever best suits the needs of the installation
- Intuitive and easy to use design GUI
- Uses standard Gigabit Ethernet hardware for audio transport and control
- System seamlessly integrates with QSC amplifiers and loudspeakers



This product has been discontinued.
Please reference: **Q-SYS Core 510i processor in I/O Mode.**

I/O Frame 8s
Specification Sheet



Q-SYS™ is a complete integrated system that encompasses everything from the audio input to the output of the loudspeakers; it provides all the routing, processing, control and monitoring, while maintaining the audio quality and reliability QSC has come to be known for.

Physically located near audio sources and destinations, I/O Frames provide the points of connection used to interface Q-SYS with other components of the audio system, such as mixers and power amplifiers.

Each I/O Frame 8s features eight card slots, which can support up to eight of the following I/O cards, mixed and matched in any configuration:

Mic/Line Input card — Four channels of switchable mic/line-level analog audio input with 48V phantom power (available with standard or premium pre-amps and A/D converters).

Line Output card — Four channels of balanced, line-level analog output.

DataPort Output card — Four audio output channels (2 DataPorts) for connection to DataPort equipped QSC amplifiers.

AES Input/Output card — Four input and four output channels of AES-3 digital audio.

The I/O Frame 8s will also support various combinations of network cards (such as Cobranet, Dante and future cards such as AVB) to provide a bridge to the Q-SYS Core up to 128 inputs and 128 outputs.

Q-SYS™ Architectural Philosophy:

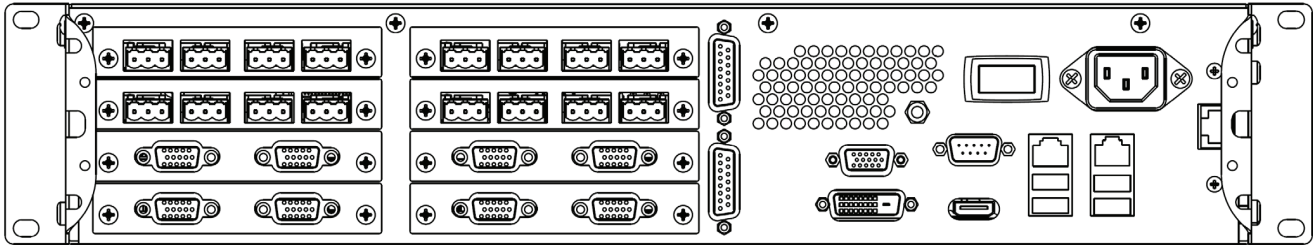
One of the primary development goals was to create a platform that had nearly unlimited resources; Q-SYS truly lives up to that goal with unrivaled processing breadth and depth. The Q-SYS™ designer interface was created specifically to harness its unmatched power while remaining intuitive and easy to use.

The processing tools are extensive and simple to apply. Once the system is designed, you will find that Q-SYS also offers a useful suite of trouble shooting and measurement tools.

The strength of the centralized architecture used by Q-SYS is that it facilitates the implementation of total or partial system redundancy. A system can be created with Core, Network, I/O Frame and even amplifier redundancy.

In a redundant Q-SYS system, a problem with any of the primary devices will result in the back-up device taking over. If, for example the Core experiences a failure, the backup core automatically takes over ensuring continued flawless operation.

I/O Frame 8s | Specifications



System Hardware	I/O Frame 8s
Description	System audio input and output device
Front Panel Controls	LCD page forward momentary switch Unit ID button momentary switch Clear settings momentary switch
Front Panel Indicators	Power On: Blue LED; Device Status: Tri-color LED Audio Signal: 32 Tri-color LEDs Card Status: 8 tri-color LEDs 240 x 64 monochrome LCD graphics display
Rear Panel Controls	Power Switch
Rear Panel Connectors	RS-232: DE-9 (male 9-pin D shell connector) Video Out: HD-15 (female 15-pin D shell connector); DVI-D Aux USB ports: USB host (type A) x4 Aux Network Port: RJ45 10/100/1000 Mbps (switchable between Q-SYS LAN B or Aux Network Port) GPIO ports: DA-15 (female 15-pin D shell connector) x2 Q-SYS Network LAN A: RJ45 1000 Mbps only Q-SYS Network LAN B: RJ45 1000 Mbps only (switchable between Q-SYS LAN B or Aux Network Port 10/100/1000 Mbps) IEC inlet: AC mains power connector
Capacity	
Local Audio Channels	128x128
Network Audio Channels In	128
Network Audio Channels Out	128
Audio I/O Capacity	8 card slots, supporting up to 32 analog I/O channels or up to 128x128 local digital I/O channels; Requires purchase of Q-SYS Type 2 audio I/O cards: CB, CIML4, CIML4-HP, COL4, CODP4, CAES4, CCN32, CDN64, CAN32.
Line Voltage Requirements	100 VAC – 240 VAC, 50 – 60 Hz
Current Draw	Max 4.8 @ 100VAC Typical 1.9 @ 100VAC
Thermal	650 BTU/h (typical)
Dimensions (HWD)	3.5" x 149" x 16.13" (88.9mm x 482.6mm x 425.7mm) / 2RU
Accessories Included	6 ft UL/CSA/IEC line cord • User manual • Optional audio I/O ship kit

As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.



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