Q-SYS Server Core X10

Network I/O processor

KEY FEATURES

- 256 × 256 networked audio channels (Q-LAN / AES67)
- 64x AEC channels @ 200 ms
- Includes 8 × 8 Software-based Dante channels (licensable up to 128 × 128)
- Supports twelve (12) Q-SYS NM-T1 tabletop microphones
- Up to 32 VoIP softphone instances
- 64 × 64 Media/WAN streaming capacity
- 16 multitrack playback channels (up to 128 with optional stackable feature license)
- 4 multitrack record channels
- Two (2) 2.5 Gbps Ethernet ports for redundant networked audio
- Two (2) 2.5 Gbps independent, auxiliary Ethernet ports for segregation of network services such as VoIP, SNMP, LLDP, LDAP and WAN Media streaming
- Onboard 256 GB media drive
- 1 RU form factor

The Server Core X10 combines the Q-SYS Full Stack AV Platform with enterprise-grade server hardware to deliver a flexible and scalable audio, video and control solution for medium and large scale applications. The Server Core X10 functions effectively as a central processor for multiple zones or spaces with distributed network I/O or paired with distributed processing.

NEW CLASS OF Q-SYS PROCESSORS

Q-SYS X Class Server Cores combine the Q-SYS Full Stack AV Platform with industry-proven IT server hardware to meet the flexibility and scalability demands of the applications from corporate and higher education to hospitality, entertainment and beyond. These Cores are fully networked, making them ideal for running centralized, mission-critical AV services that pair with edge-based network I/O and/or distributed processing.

A CHOICE FOR ANY APPLICATION

Q-SYS Server Core X10 adds a new processing tier to the Q-SYS processing portfolio, offering 3x the processing power of the Core 24f along with 256 x 256 network I/O capacity (including up to 128 × 128 Dante network audio capacity) to ensure there's a Q-SYS processing solution that's right-sized for any application.

SINGULAR SOFTWARE PLATFORM

All Q-SYS Cores are driven by the Q-SYS Full Stack AV Platform, which delivers a fully integrated audio, video and control solution that offers simple integration and software-based scalability. All Q-SYS Cores leverage the same, singular software-based foundation that offer unique flexibility to manage any processing topology, from the building or venue-wide AV services to individual collaboration spaces.

Q-SYS CAPACITIES	
Network audio I/O	256 × 256
Dante network I/O	8 × 8 included (up to 128 × 128 with Software-based Dante feature license)
WAN / Media streaming channel capacity	64 × 64
VoIP softphones	32
AEC channels (at 200 ms tail length)	64
Audio recording / playback	4 channels recording / 16 channels playback, [expandable up to 128 channels playback with optional multi track playback license (SLMTP-32) stackable up to 4x]
Media drive capacity	256 GB (at least 200 GB available for user media, or at least 400 hours of uncompressed 48 kHz, 24 bit, mono WAV format audio files)
HARDWARE	
Power	1x universal input, 500 W PSU module
LAN	4x 2.5 Gbps ports (2x Q-SYS Multimedia, 2x Q-SYS Aux)
RS232	1x DB-9 RS-232 port (rear panel), 16550-compliant
Ventilation	Forced air – front intake, rear exhaust
CONTROLS & HARDWARE	
Front	Power LED Front Panel LCD module, White backlight 4 navigation buttons (up, down, left, right) + 1 selection button to navigate between screens on the front display
PACKAGING AND ACCESSORIES	
Product dimensions (L x W x H)	18.11 × 17.24 × 1.73 in (460 × 438 × 44 mm)
Product weight	18.7 lb (8.5 kg)
Shipping carton dimensions (L x W x H)	24.0 × 22.0 × 8.0 in (610 × 559 × 203 mm)
Shipping weight	28.1 lb (12.7 kg)
Included accessories	Rail kit Safety information & Regulatory statements pamphlet 1x region-specific power cord Rack ear handles
MISCELLANEOUS	
Line voltage	100-240 VAC, ~50/60 Hz
Current draw	2.0 A
Operating temperature range	0°C to +40°C
Storage temperature	-40°C to +70°C
BTU/hour	136 BTU/Hr
Humidity	10% to 85%
Regulatory	FCC 47 CFR Part 15B Class B, IC ICES-003, EN55032, EN55035, EU RoHS directive 2011/65/EU, WEEE directive 2012/19/EU, REACH, China RoHS directive GB/T26572, RCM, IEC/EN/UL 62368-1:2018, IEC/EN/UL 60065:2014, CSA C22.2, EFUP 10

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