Q-SYS NM-T1

KEY FEATURES

- Native beamforming microphone solution for Q-SYS
- Four software-configurable zones provide up to 360° coverage
- Touchless mute via proximity motion sensor
- Programmable RGB light ring for customizable color, pattern, and speed
- Onboard call controls, including a programmable user button customizable in Q-SYS Designer Software
- Power-over-Ethernet enables single cable installation
- Q-SYS Call Sync compatible, letting you sync status across devices without complicated programming
- Simple drag-and-drop integration and comprehensive management via Q-SYS Designer Software and Q-SYS Reflect Enterprise Manager

Q-SYS NM-T1

Network tabletop microphone for Q-SYS

The Q-SYS NM Series NM-T1 is a tabletop network PoE microphone native to Q-SYS and ideal for the collaboration space. The microphone features advanced beamforming technology that ensures optimal clarity and separation for all surrounding talkers. It also offers onboard call controls, programmable user button and touchless muting capability, which lets users mute or unmute with the wave of a hand. As a native Q-SYS Product, the NM-T1 integrates seamlessly into your Q-SYS system without the need for complex programming.

BENEFITS

Advanced Beamforming Technology: The Q-SYS NM-T1 features four software-configurable zones that can be activated based on where coverage is (or isn't needed). This enables flexible seating arrangements and provides up to 360° coverage.

Intuitive UI with touchless muting: Easily manage your meetings with the Q-SYS NM-T1 onboard call controls, including a programmable user button and programmable RGB light ring status indicator, both of which are fully customizable within Q-SYS Designer Software. The microphone also features a built-in proximity motion sensor that allows for a simple hand wave to mute/unmute for users that are nearby.

In Sync with Q-SYS Call Sync: Automatically sync onboard controls and LED status indicators on select Q-SYS device (NM-T1 microphone, TSC Series Gen 3 touchscreens & NL-SB42 PoE speakerbar) keeping the state of all in-room endpoints in sync. Additionally, it provides mute sync for UC platforms via the Q-SYS HID controller, as well as ringing and hook state for Q-SYS softphone and POTS controller.

Designed for Q-SYS: The Q-SYS NM-T1 is the first native network microphone solution for Q-SYS, a cloud-manageable audio, video and control platform, built to deliver scalable, flexible AV solutions into the future. At its foundation, the **Q-SYS OS** serves as the software foundation that manages the NM-T1 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 enables 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**.

Q-SYS NM-T1 Tabletop Microphone

Audio	
Polar pattern	Superdirective
Pickup range	3-9 ft (1-3 m)
Microphone elements	16x MEMS microphone elements
Frequency response	100 Hz - 16 kHz, +/- 3 dB
Sampling rate	16 kHz wideband / 48 kHz fullband
Bit depth	24 bit
Sensitivity	-36 dBFS (94 dB SPL)
Maximum SPL (1 kHz @ 1% THD)	118 dB SPL
Dynamic range	95 dB
Signal-to-Noise ratio	65 dB (48 kHz) 66 dB (16 kHz)
Self noise	28 dB SPL (48 kHz) 28 dB SPL (16 kHz)
Latency	4 ms
Power	
Power requirements	Power over Ethernet (PoE),Type 1 Class 2
Power consumption	<6.5 W
Connector type	RJ45
General Specifications	
Dimensions	4.21 x 1.1 in (107 x 28 mm)
Weight	1.5 lbs (0.68 kg)
Included accessories	Mounting stem, Strain relief cap, CAT6 cable (10 ft / 3 m)

NM Series - Capacity per Q-SYS Core

Q-SYS Cores feature dedicated AEC resources for NM Series microphones while also reserving AEC resources for third-party microphones (or additional NM Series microphones). Each Core has a recommended "Max NM-T1 Capacity" along with a total "AEC Channel" specification. This table lists the recommended number of NM-T1 microphones that can be deployed along with how many AEC channels remain for third-party microphones.

Q-SYS Core	NM-T1 Capacity Wideband	AEC CH (200ms) remaining w/max NM-T1 - Wideband	NM-T1 Capacity Fullband	AEC CH (200ms) remaning w/ max NM-T1 - Fullband
NV-32-H (in Core Mode)	3	0	2	0
Core Nano / Core 8 Flex	3	0	2	0
Core Nano / Core 8 Flex with Collaboration Bundle Scaling License	6	4	3	8
Core 110f	4	8	2	8
Core 510i / Core 610	14	64	14	40
Core 5200	28	96	28	48

Wideband (default) - 16 kHz sample rate optimized for speech capture (lower processing requirement).

Fullband - 48 kHz sample rate optimized for applications that benefit from full bandwidth audio capture and playback, such as voice lift (higher processing requirement).