



# MS-7TCPA-10IP

IP Addressable / POE Solution



## Features

- Industry leading voice intelligibility
- Cuts through ambient noise
- Rated for indoor or outdoor applications
- POE+ and 24VDC powered (auto switching)
- 131dB max SPL @ 1m
- Durable environmental resistant construction
- Simply plug and play installation and setup
- Fully compatible with IP audio and emergency notification protocols
- Speaker available with UL1480 certifications

Speaker Unit Specification	
Nominal Speaker Impedance	8Ω
Usable Range @ 80dB, A-weighted	380m (1246ft)
dB SPL Max @ 1m	131
Input Sensitivity (2.83Vrms/1m)	112dB
Vertical Coverage (AVG 1kHz-4kHz) 120°	-9dB
Frequency Response (±6dB)	400Hz-15kHz
Horizontal Coverage -9dB (AVG 1kHz-4kHz)	120°
Color	Black, Grey, Red, White
Enclosure Material	Flame Resistant Composite
Grille Material	Steel
Certification	UL1480 (Indoor and Outdoor Applications)
Production Dimensions (in)	H x W x D 10.1 x 10.1 x 11.3
Speaker Weight (lbs)	9
Power Over Ethernet Amplifier Module Specifications	
Power Supply	PoE (802.3af) / PoE+ (802.3at) / 4PPoE (802.3bt) / 24VDC 2.5A
Ethernet Interface	RJ45 100/1000 Mbit Auto Detect (IPv4 and IPv6 Capable)
Network Configuration	Automatic IP Configuration on Open Networks
User Interface	Graphical User Interface for Setup and Control
Digital Audio Formats	MP3 CBR/VBR, Up to 320kbps, 8.48kHz Sample Frequency
	AAC-HE (AAC, AAC plus, AAC plus V2)
	PCM Linear 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
Emergency Notification Compatibility	G.711 / G.722 / GSM / Opus
	Stored Message Playback
	Auto Registration with Common ENS Platforms InformaCast, Syn-Apps, Other*
Health and Status (Visual)	LED Status Lights — Physical Reset Button
Security	HTTPS Secure Connection
IP Addressing	DHCP / Static
IP Module Dimensions (in) H x W x D &	8.8 x 4.7 x 1.6
Weight (lbs)	< 2
Internal Track Storage	1GB storage
Temperature Range	0-50°C (Operating Conditions)

## Power and SPL Specifications

Model	Input Power	Max Power Draw (W)	Typical Power Draw (W)	SPL Max @ 1m
MS-7TCPA-10IP	POE	1.8	5.2	123
	POE+	22.0	8.2	128
	4PPOE (Type 3)	34.5	13.0	130
	4PPOE (Type4)	34.5	13.0	130
	External 24V	-	-	130

## Architect and Engineering Specifications

- Unit shall be network addressable and powered by POE+
- The speaker shall be UL listed, weather resistant, and constructed of rugged 5VA rated, UV resistant ABS plastic.
- The loudspeaker shall be able to operate within any ambient temperature environment ranging from -40°C to 60°C.
- The speaker shall have a sensitivity of 112dB when measured at 1m (AVG 400-4,000Hz) and a beam width of 90° (-6dB at 1kHz).
- Model shall be a non-re-entrant compression loaded transducer with a 3" polyimide diaphragm and power handling of 40W continuous.
- Frequency response shall be 375Hz-15kHz.
- Dimensions shall be 10.1"H x 10.1"W x 11.3"D.