

IP Ceiling Loudspeaker

Modell MDWDR245TKIS2

Features

- IP Ceiling Loudspeaker with built-in IP electronics for public address and indoor use via VoIP (SIP)
- Ideal for announcements / sound in remote areas via network access
- Metal housing with white ball-resistant RAL9010 decorative grille, including fire pot
- Integrated 10 Watt Class-D amplifier
- > 106 dB SPL
- Excellent audio quality for music and voice transmissions
- Configuration via web interface (IP addresses, monitoring, VoIP statistics, software updates)
- PoE "Power over Ethernet" according to IEEE 802.3a-f class 0, "SparePairs" or "Phantom"
- Addressing and monitoring each individual IP speaker (Audio Sound Check via built-in microphone)
- Control contact and inputs for signaling or monitoring contacts optionally usable

Description

With the IP ceiling mounting loudspeaker, it is possible to provide sound in areas where only a network connection is available without great installation effort. The power is supplied via PoE, so that no additional power supplies or other additional components are necessary.

The extended IP functionalities allow a location-independent control by a VOIP (SIP) telephone system or for security applications with CCoIP - Critical Communication over IP - the connection to an Alphacom control center. The IP speaker has an extensive configuration interface and powerful network management. Similarly, a microphone for the audio self-test of the speaker is installed. This self-test can be done automatically. The status indicator is an LED behind the decorative grille.

These features ensure durable, efficient and secure voice and data communications.



Item number	000003
Model	MDWDR245TKIS2
Dimensions	Ø 252 x 82 mm
Assembly	patented installation system, (stainless steel springs)
Execution	white (RAL 9010) grille (ball-proof)
Optional equipment	Fire pot
System	VOIP (SIP) or Alphacom CCoIP
Power supply	PoE-(Power over Ethernet), IEEE 802.3a-f, Class 0 (48V) SparePair oder Phantom Externe Stromversorgung 24 VDC (16-48 V)
Power consumption	Idle 1.8 W, max. 12W
SIP support	RFC 3261 (SIP Base Standard) RFC 3515 (SIP Refer) RFC 2976 (SIP Info) DTMF-Support.: RFC 2833, 2976 (SIP-Info)
Protocols IP	IP v4 (mit DiffServ), TCP, UDP, HTTPS, TFTP, RTP, RTCP, DHCP, SNMP, NTP, STENTOFON CCoIP®
Protocols LAN	Power over Ethernet (IEEE 802.3 a-f), VLAN (IEEE 802.1pq), Network Access Control (IEEE 802.1x), STP (IEEE 802.1d), RSTP (IEEE 802.1d-2004)
Management	HTTPS (Web configuration), DHCP and static IP,
Safety	TFTP (firmware and config. download)
Operation	SNMP v1, v2 and v3 (monitoring)
Audio	Frequency range 200 Hz – 7 kHz (G.722) Phone 3,4 kHz (G.711)
Amplifier	Integrated 10 W Class-D amplifier 10 Watt at 8 Ohm
Sound pressure	Max. SPL 1 m distance: 103 dB
Beam angle	180°
Ethernet connector	1 x RJ45 10/100 Mbit/s
Ceiling cut	215 – 230 mm
Conformity	Electric security: CE and FCC Part 15, IEC / EN 60945 Marine components IEC / EN 61000-6 Light / heavy industry, IEC / EN 50486 Components for use in audio and video applications
Temperature range	-40° C to + 70° C
Humidity	< 95 % (not condensing)
Weight	1,7 kg

**Installation instructions::****Order data**

Item number	Description	Cargo weight
000003	Model MDWDR245TKIS2, IP Ceiling Loudspeaker	1,7 kg
Equipment ↓		
????????	QUICKON RJ45 quick connector CAT5e, cable diameter 4.5 - 8 mm, wire cross section AWG 26 .. 22	
????????	PoE Injektor 10/100M 1-Port, Power over Ethernet IEEE-802.3af	0,6 kg