IP CEILING LOUDSPEAKER

STENTOFON

whencommunicationiscritical

FEATURES

- **Compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs (SIP)**
- **Designed to deliver CCoIP® - Critical Communication over IP**
- **Ideal for Micro Zone PA and systems that require a limited number of speakers**
- **Each speaker is individually addressable**
- **Ideal for speakers installed in remote locations, e.g. roads and railways**
- **Remote software upgrade, configuration, and monitoring**
- **Integrated data switch with advanced networking and security functions**
- **Relay output for remote control, e.g. doors, signal lamps, gates**
- **Powered from the IP network cable using Power over Ethernet (PoE)**
- **Superb audio quality – high bandwidth codec and adaptive jitter filter**

DESCRIPTION

The IP speaker supports open standards and is compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs using SIP technology. When working in AlphaCom mode, the IP speaker supports special services only available using the STENTOFON CCoIP protocol, AlphaCom server. Examples of services are emergency broadcast with volume override, CCTV integration, call priority, and AlphaNet multisite networking and STENTOFON event scripting.

With IP, the system is able to monitor and address each speaker individually. By moving the amplifier from a central unit out to the speaker itself, the need for a central amplifier unit with conventional speaker loops is eliminated. This makes the system highly scalable, and adding another speaker is very easy. Even though conventional speaker loops are not used, the speakers can still be divided into groups. These zones can now extend over networks or span the Internet.

The IP Ceiling Loudspeaker has an integrated managed data switch providing advanced networking and security features. The integrated switch provides support for:

- Protection from unwanted access
- Quality of Service (QoS) by managing data traffic
- Increased system availability through redundant LAN infrastructure
- Cost efficient installation by providing shared network connections

To provide maximum availability, the speaker comes with advanced supervision functions. The speaker line test will detect if there are any faults in the network or speaker electronics. The status of the speaker is reported to AlphaWeb as well as to 3rd party management systems using SNMP, Syslog, or OPC.

The speaker has a built-in web server for status information, control, and upgrade. It is easy to install and maintain and all broadcasts are logged in detailed reports using STENTOFON AlphaCom.

The IP Ceiling Loudspeaker is ideal for “Micro Zone PA”, e.g. when you only want to address a single room.

www.stentofonusa.com

Zenitel Norway AS
Sandakerveien 24C, P.O. BOX 4498 Nydalen
NO-0403 Oslo, Norway

Zenitel USA Inc.
6119 Connecticut Avenue
Kansas City, MO 64120
800/654-3140

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1401002100	IP Ceiling Loudspeaker	
	Additional Licenses:	
1009641001	IP Station License for 1 Station	
1009641006	IP Station License for 6 Stations	
1009641012	IP Station License for 12 Stations	
1009641036	IP Station License for 36 Stations	
1009641138	IP Station License for 138 Stations	

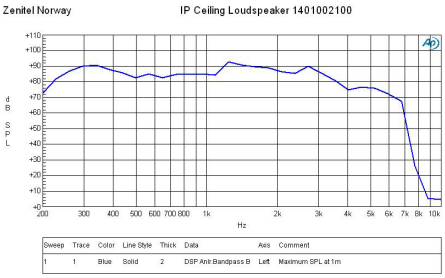
IP CEILING LOUDSPEAKER

SPECIFICATIONS

Material / Color	ASA / RAL 7035
Mounting	Hooks
Dimensions (diameter x depth)	237 x 133 mm
Weight	1.33 kg
Max. SPL / 1m	94 dB
Max. SPL/1 kHz/1m	84 dB
Effective frequency range	200 – 7000 Hz (G.722 Codec)
Dispersion (-6 dB) 1kHz / 4 kHz	140°C / 50°C
Protection Class	IP-54
Temperature range	-20ºC to +50ºC
Power	Power over Ethernet, IEEE 802.3 a-f, Class 0 Local power 19-27 VDC, Idle 2W, max.8W
Connectors	2 x RJ45 (Ethernet) 10/100 Mbps Pluggable screw terminals (audio and IO)
Remote control Max. switching capacity Max voltage relay Max. current relay	3 digital inputs, 1 relay output and one logical output 30W DC 60V DC 1A DC
SIP	RFC 3261, SIP Info (DTMF), RFC 2833 (DTMF)
IP protocols	IP v4 - TCP - UDP - HTTPS - TFTP - RTP - RTCP - DHCP - SNMP - DiffServ - TOS - STENTOFON CCoIP® - SIP
LAN protocols	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)
Audio Technology	Wideband 200 Hz - 7 kHz (G.722) Telephony 3.4 kHz (G.711) Adaptive jitter filter 1.5 Watt audio output 8 ohm loudspeaker impedance
Management and operation	HTTPS (Web configuration) DHCP and static IP Remote automatic software upgrade Centralized monitoring
Advanced features	Dual port managed data switch supporting VLAN and network access control
Compliance	CE and FCCPart 15

*Not supported in STENTOFON Pulse mode

SPL AT DIFFERENT FREQUENCIES AT MAX. SPL / 1M SINE WAVE



M20 CABLE GLAND AND M20 BLINDING PLUG