IP HORN LOUDSPEAKER

STENTOFON

when**communication**is**critical**

FEATURES

- **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**
- **IP 67 housing**
- **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

STENTOFON is proud to be among one of the first in the world to introduce an IP Horn Loudspeaker. Many manufacturers use junction boxes for their IP electronics while we have incorporated it into the speaker cabinet itself.

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

- Protection from undesirable access
- Quality of Service (QoS) by managing data traffic
- Increased system availability through redundant LAN infrastructure
- Cost-effective 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 Horn Loudspeaker is ideal for “Micro Zone PA”, e.g. when you only want to address a specific area such as a parking lot.

www.stentofon.com

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NO-0403 Oslo, Norway

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1401002500	IP Horn Loudspeaker	1.6 kg
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 HORN LOUDSPEAKER

SPECIFICATIONS

Material/Color	ASA / RAL 7035
Mounting	Bracket
Dimensions (HxWxD)	144x186x207 mm
Weight	1.8 kg
Max. SPL / 1m	104 dB
Max. SPL/1 kHZ/1m	94 dB
Effective frequency range	330 – 7000 Hz (G.722 Codec)
Dispersion (-6 dB) 1kHz / 4 kHz	140°C / 40°C
Directivity factor, Q (1 kHz)	1.8
Protection Class	IP 67
Temperature range	-20°C to +50°C
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 I/O)
Remote control	3 digital inputs, 1 relay output and one logical output
IP protocols	IP v4 - TCP - UDP - HTTPS - TFTP - RTP - RTCP - DHCP - SNMP - DiffServ - TOS - STENTOFON CCoIP®
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 FCC Part 15
Maximum switching capacity	Max 30W DC
Max voltage over relay contacts	60V DC
Max current through relay contacts	1A DC

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