

IP OR MASTER

DISPLAY



when communication is **critical**

FEATURES

- Compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs (SIP)
- Made for CCoIP® - Critical Communication over IP
- Chemical resistant and anti-bacterial front surface for easy cleaning
- Robust aluminium front plate to withstand maintenance and cleaning conditions
- Large high contrast display with backlight for excellent readability
- Four dynamic navigation keys and four DAK keys for quick access to system menus and directory entries.
- Quick and easy snap-on mechanism for installation in flush mounted back boxes
- Superb audio technology – gives loud-speaking hands free duplex communication from any location in the room - no one needs to leave their duty and all present staff can follow the conversation
- Remote software upgrade, configuration and monitoring
- Integrated data switch with advanced networking and security functions
- Powered from the IP network cable using Power over Ethernet (PoE)
- Clean relay output contact for control of external equipment
- Designed to meet the requirements of ISO 14644-1, ISO Designation 5

DESCRIPTION

The IP Operating Room (OR) Master Station is an advanced intercom station intended for use in operating theatres and clean rooms. The station front plate is totally flat and without any holes to minimize bacteria accumulation. The station has an excellent audio quality. With a large backlit display and STENTOFON audio technology the station allows users to read caller ID, listen and talk at a distance.

The IP station supports open standards and is compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs using SIP technology. When working in AlphaCom mode, the IP station 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.

Like all STENTOFON stations, this IP OR station features superb audio quality. This is enabled through a set of advanced technologies such as active noise filtering, acoustic echo cancellation, wide band audio codec, and high power audio outputs.

The IP station 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 station comes with advanced supervision functions. The station line test will detect if there is any faults in the network or station electronics. In addition the station support tone



ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1008015000	IP OR Master, display	0.630 kg
1008098700	Flush Mount Back Box	

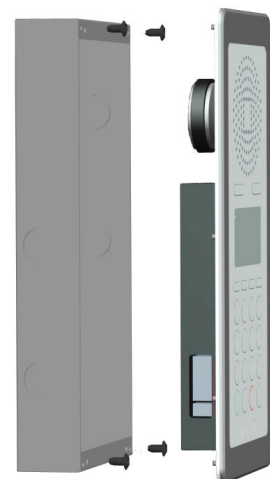
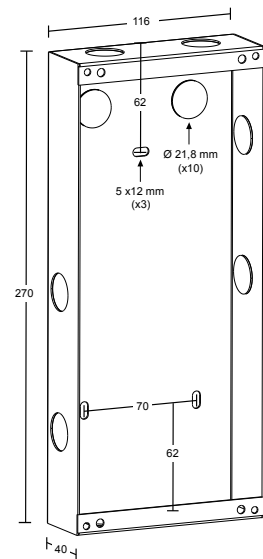
IP OR MASTER DISPLAY

test, testing the complete transmission path including microphone and speaker. The status of the stations is reported to AlphaWeb as well as to 3rd party management systems using SNMP, Syslog or OPC.

FLUSH MOUNT BACK BOX

SPECIFICATIONS

Dimensions: (WxHxD)	125 x 280 x 30 mm
Weight	0.630 kg
User interface	Backlit graphical display, 35 mm x 68 mm, 4 function keys, 4 programmable direct access keys (DAK), Full keypad, Call indication LED
Temperature Range	0°C- 45°C
Protection class	IP-65 front access (silicone must be used around edges when mounting)
Power	Power over Ethernet, IEEE 802.3 a-f, Class 0 Local power 19 – 27 VDC, Idle 4W, max. 8W
Connectors	RJ45 (Ethernet) - RJ11 (Handset & Headset) Pluggable screw terminals (I/O local power)
Remote control	3 digital inputs, 1 relay output and one logical output
Max. switching capacity	30W DC
Max. voltage relay	60V DC
Max current relay	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 3.4kHz (G.711) Active noise filtering Acoustic echo cancellation Open duplex Adaptive jitter filter Volume override
Audio output	1.5 Watt - 75 dB @ 1 m from speaker
Management and operation	IntegrHTTPS (Web configuration) DHCP and static IP Remote automatic software upgrade Centralized monitoring Status LED
Advanced features	Dual port managed data switch supporting VLAN and network access control
Compliance	CE, FCC Part 15



* Not supported in STENTOFON Pulse mode

The station is securely fastened to the backbox using the four retention pegs. The 4 supplied plastic retainers must be inserted into the holes in the backbox before mounting the station.