

COMMUNICATION - INFORMATION - SECURITY



AT THE TOUCH OF A BUTTON

STENTOFON AlphaCom E



www.zenitel.com

when communication is **critical**

STENTOFON AlphaCom E

A Cutting Edge Solution

Critical communications is defined in the marketplace in two ways:

When life is at risk and when big money is at risk.

The STENTOFON AlphaCom E is designed to provide critical communications. It is a powerful and flexible communications platform that serves a wide range of applications. It works straight out of the box, but if required, it can be tailored to support applications of almost unlimited specificity and complexity.

Tailored to fit any need

The STENTOFON AlphaCom E system stood out against the competition as a system that would easily meet each of our requirements. Integration capabilities are key and the voice quality in particular is excellent - I believe it to be the best on the market.

*Mr. Li
Technical Department Director
Beijing TV Centre, China*



Building Security

From the visitor door entry station to the security control room master station, AlphaCom E is an integrated solution and performs seamlessly over a building's network, across town or worldwide.



Infrastructure and Parking

With stations for barrier entry/exit and Help Points, assistance and security is provided in public spaces, such as car parks, shopping centres and public and private highways.



Industrial

Wearing ear defenders and gloves? Then our heavy industrial station with horn speaker is needed. Print works and oil refineries have been equipped, also using ExE/Exi telephones.



Prisons and Custody Suites

Four different prison stations implement simple "cell call" systems, and allow for music distributions, lighting control and cell door locking. With call logging, integration with management systems, Public Address Systems, visitors' suites' telephones, pager/PMR integration and affray alarms, AlphaCom E can provide a prison system to any government approved standard.



Emergency Points

Providing two-way, handsfree IP communication, the STENTOFON Vandal Proof Stations make a tried and tested emergency point. Suited for both indoor and outdoor areas, the stations can withstand extreme exposure to harsh environments. When connected to external IP video cameras and high power lamps, these vandal proof stations enable fast response in emergency situations.



Healthcare

At the hospital, STENTOFON stations are easy to use and once a call has been placed, speech can be made handsfree. The Operating Room Master Station has a hygienic Mylar covered faceplate and pre-programmed buttons allows for instant contact with labs and radiology. Other features allow the hospital to easily customize its communications for specific requirements and needs.



Airports

When a plane is about to leave, it's all action at the departure gate. Our wall-mounted stations display the queue of calls from the ticket counter, the baggage handler and the check-in clerk, while the Public Address System at the gate announces the departure of a flight.



IP FLUSH MASTER STATION
1008031000



WALL MASTER STATION
100704000



IP DESKTOP STATION
1008000100

Traditional and IP Master Stations

The STENTOFON Traditional and IP Master Stations are designed to provide fast, handsfree and direct communication.

These user friendly stations offer a set of critical communication features including call request, program distribution, paging, group call, conference and alarm. The stations are available in desktop, flush and wall-mount versions and offer advanced call handling features such as call prioritization.

To ensure efficient and effective every day operation, the Master Stations come

with programmable single touch keys that provide immediate access to other stations, group calls, audio monitoring, Public Address zones and radio channels. The alarm distribution function ensures broadcasting at maximum volume through the main loudspeaker (1W/63 Ohm) even when the handset is off.

The STENTOFON IP Master Stations offer seamless integration with other security systems and can be connected directly to the IP network, making it easy to deploy anywhere at any distance. They provide an integrated web server, remote software upgrade, configuration and monitoring.

A wide range of stations and substations complement the strong feature set and adapts the core platform to a comprehensive range of applications.

// FOR THE COMPLETE PRODUCT RANGE, PLEASE SEE THE STENTOFON PRODUCT CATALOGUE

Traditional and IP Substations

The STENTOFON Traditional and IP Substations are typically used as communication, information or emergency points.

They offer excellent audio quality and are designed to be used in the harshest of environments. The stations are built in stainless steel with tamper proof fastening screws, buttons and loudspeaker grills. For ease of operation, calls can be made to one pre-programmed loca-

tion by just pressing the call button. The IP Substations connect to the AlphaCom E node via the IP network and can be plugged straight into any point in the network or moved instantly. Furthermore, the stations have remote software upgrade, configuration and monitoring, and offer the possibility to be connected to CCTV cameras and other IP stations through the dual port Ethernet switch. To allow for custom design, the station electronics are available as a kit.



IP SUBSTATION KIT
10080902000



IP SUBSTATION
WEATHER & VANDAL RESISTANT
1008041100



ANALOGUE SUBSTATION
WEATHER & VANDAL RESISTANT
1007056100

At Beijing Capital International Airport we choose to work with companies which can match our needs as a large and growing international air hub. In order to safeguard the airports investment, we now always insists on backwards compatibility to existing equipment, which has benefited the airport this time around and will do so again in the future.

Mr. Zhenjka
Electronic Maintenance Department
Assistant Manager
BCIA

ALPHACOM E IS THE MOST POWERFUL AND FLEXIBLE COMMUNICATION PLATFORM ON THE MARKET ENABLING YOUR SECURITY SYSTEM TO ACT IN THE MOST EFFECTIVE AND FASTEST POSSIBLE WAY DURING CRITICAL SITUATIONS.

AlphaCom E

- the heart of the system



Scalability

With AlphaCom E, size is not an issue. You can have one or thousands of users spread around different locations. Thanks to its open, modular platform and scalable architecture, the AlphaCom E has the flexibility to grow with your business and adapt to your long term needs. The system can be tailored to support applications of almost unlimited specificity and complexity.

Automatic Monitoring

By continuously monitoring all connections throughout the system, the AlphaCom E enables fast detection, identification and repair of faults. Important system information such as node states, link states, call information, and node configuration is retrieved to do clear diagnostics on the state of the system. The automatic monitoring feature will give you a reliable system that will always work.

Backwards Compatibility

Zenitel is committed to provide backward compatibility for the AlphaCom E systems. This means that new generation exchanges and IP stations can be combined with traditional exchanges and stations, thereby capitalizing on existing equipment and competence.

Remote Administration

Monitor, administer and program your AlphaCom E system, all via the IP network. Through AlphaPro, and an integrated Web Server system, operators can administer firmware, software and databases without having to relocate themselves to different sites. This not only saves time and costs, but makes the system operation a lot easier.

Critical Communication over IP

CCoIP® means the employment of Voice over IP and applications required in critical situations. AlphaCom E is designed to deliver CCoIP and it ensures the delivery of instant and secure voice and data services. The AlphaCom system provides carrier class system availability and protects resources in an IP environment by using embedded IP security mechanisms. The main security mechanisms used are restricted management access, separate management interface and internal firewall.

The AlphaCom E system offers much more than communication to your security system.

Existing exchanges can be brought up to the latest feature set and full IP capability with the exchange of a single card. With AlphaCom E you can be sure that your investment will pay itself back many times during the life of the equipment.

ALPHACOM E SPECIFICATIONS

Exchange Capacity	552 intercom stations per exchange	VoIP Internal Networking	30 channels per main processor card, 50 routes	Web Click to Call	Supported	Other	Custom ASCII (EDIO), STENTOFON Data
Exchange Network	254 exchanges can be linked together	Digital Internal Networking	Two E1/T1 links per network card, with 32 channels internally; Support for fractional E1	Messaging	ESPA 4.4.4, SMTP (email), SMS	Configuration	AlphaPro over IP, Web
Traditional Stations	6 per line card	VoIP External Networking	30 channels supported by main processor card	Monitoring and Logging	Printer, Syslog, Web, SNMP MIB, SNMP Trap, SMTP, SMS	SW Upgrade	Web, Automatic upgrade of IP station
Analogue Telephones	12 telephones per line card	Network	Up to 254 exchanges in an AlphaNet	Network Clock	NTP and SNTP	Internal Audio Format	1-bit (18 kHz)
Busy Hour Call	60'000 BHCA	ISDN Trunk	ISDN PRI (30 channels)	Ethernet	10/100 Mbps, auto-MDIX	Traditional Stations	7 kHz audio
SIP	RFC 3271, SIP INFO, RE-Invite	Analogue Trunk	FXO (4 & 8 channels)	Microsoft OPC	Supported	General Audio Interface	15 kHz audio
IP Telephones	50 IP telephones supported by main processor card	GSM Trunk	Quad band GSM	Service Creation	STENTOFON Event Handler, PHP	VoIP Audio	G.722 (7 KHz), G.711 (3.4 KHz)



IP OR MASTER STATION

1008015000

Chemical Resistant Stations

The STENTOFON Chemical Resistant Stations are specially designed for hospital operating theatres and other clean rooms.

To meet the demanding requirements of these environments, the stations give loud-speaking handsfree communication from any location in the room. This way

no one needs to leave their duty and all present staff can follow the conversation.

Due to their IP functionality, these stations have no geographical limitations and can have remote software upgrade, configuration and monitoring. The white backlight providing a high contrast display behind all switches, offers excellent readability in the dark.



HEAVY DUTY INDUSTRIAL SUBSTATION

1007085000

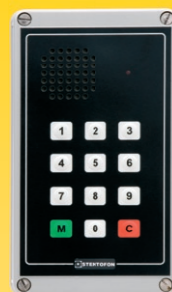
Industrial Stations

Ranging from light to heavy duty, the STENTOFON Industrial Master Stations and Substations are built for humid, dirty and outdoor conditions.

Large buttons enable an easy operation when using working gloves. The stations are equipped with an internal electret microphone that automatically adjusts

its sensitivity according to the input level (noise cancelling microphone). In addition, the stations offer the option to connect with an external 20-70 Ohm speaker.

IP Industrial Substations are available to meet the communication requirements of industrial remote sites.



LIGHT INDUSTRIAL MASTER STATION

1007080000

// FOR THE COMPLETE PRODUCT RANGE, PLEASE SEE THE STENTOFON PRODUCT CATALOGUE

Tamper and Vandal Proof Stations

The STENTOFON Tamper and Vandal Proof Stations are specially designed for prison and correctional facilities. With safety and security in mind for both guards and prisoners, these stations come with in built scream alarm, assault alarm, tamper alarm and light signaling.

They are water-resistant and built with a 2.5 mm stainless steel front that can resist strong impacts. Equipped with microphone/speaker protection and a sensor call button, these stations become vandal proof from the inside to the outside. With programmable I/O ports, the Tamper and Vandal proof

stations can control door status, lamps, TV sets, sensors and more. The STENTOFON Weather and Vandal Resistant IP Substations are tough, durable and resilient, and designed for use in the harshest of environments. They provide a vandal proof direct call button and a relay output for door lock control or flash strobe light.

In addition, the IP Tamper and Vandal proof stations have no geographical limitations and can have a remote software upgrade, configuration and monitoring. They can also connect to external IP video cameras or other IP devices through the Dual Ethernet port. Line monitoring is also available.

At Zenitel we understand that every business is different, so we do not offer a one-size-fits-all solution. We only offer flexible solutions that meet your current and future business needs. Solutions that take into account your business culture, staff expertise and special requirements.



TAMPER AND VANDAL PROOF STATION

1007063000



IP SUBSTATION WEATHER AND VANDAL RESISTANT

1008051000



STENTOFON

Control Room Solutions to improve operational efficiency



Control Room Stations

Available as desktop and flush desk-mounting versions, the STENTOFON Control Room Stations have advanced call handling features such as call queuing and call priority. With a large high contrast display and backlight, these stations offer excellent readability.

A Direct Access Key (DAK) module provides single-touch access to stations, group calls, audio monitoring, Public Address zones, radio channels, and opening of doors and gates. Each DAK module key has a red and green LED to show status.

The Desktop Control Room Stations also feature auto acknowledgement to call-in point by flashing a station lamp, voice

message and ringing. The IP stations have no geographical limitations, an integrated firewall, and can be remotely upgraded, configured and monitored.

Integration Increases Security

The task of tracking, controlling and responding to events is done more efficiently when all the data generated by each security device comes together through an interface which can be controlled from one single point. The AlphaCom E system offers centralized control over the entire security system through Control Room Stations, PC based control handler software and by interfacing to third party management systems. The AlphaCom E can seamlessly integrate with a range of systems such as CCTV,

IP and PBX telephony, radios, DECT telephones, Public Address, and access control. Through this integration, the AlphaCom E system functions not only as a communication system but also as a control centre.

Regardless of location, the AlphaCom E system enables multiple sites to be connected as a single network. This means that from a single security post, CCTV cameras, Public Address, barriers and door locks in a number of remote sites can be controlled with the push of a button.

The control that the AlphaCom E offers to security systems automatically reduces vulnerability to incidents and improves response time.

A relentless dedication to Voice in Security

STENTOFON began life in 1946 as Stentor Radiofabrikk, specializing in radio communication systems for ships and for fishing boats. Stentor later extended its range with intercom systems that it sold under the brand name STENTOFON.

Today it is one of the most important brand names in Zenitel's portfolio bringing you the new generation of IP exchanges, called STENTOFON AlphaCom E. This new solution is an evolution into IP technology while maintaining full backwards compatibility for existing projects.

STENTOFON AlphaCom E and the other solutions in the range open up new opportunities and markets, and confirm

Zenitel's leading position in the security field.

Over a century after it first began, one element has always remained strong through the company's history, its belief in one single principle - helping people to communicate when it is really necessary.

Zenitel's solutions are voice driven because Zenitel knows that when people are in trouble, they call out, they listen, and they start to talk.

**STENTOFON PRODUCTS
GIVE SECURITY A VOICE.**





ZENITEL NORWAY AS
www.zenitel.com
marketing@zenitel.com

STENTOFON products are developed and marketed by ZENITEL Norway AS. The company's Quality Assurance System is certified to meet the requirements of NS-EN ISO 9001:2000. ZENITEL Norway AS reserves the right to modify designs and specifications without prior notice, in pursuance of a policy of continuous improvement.