Commend Intercom Systems

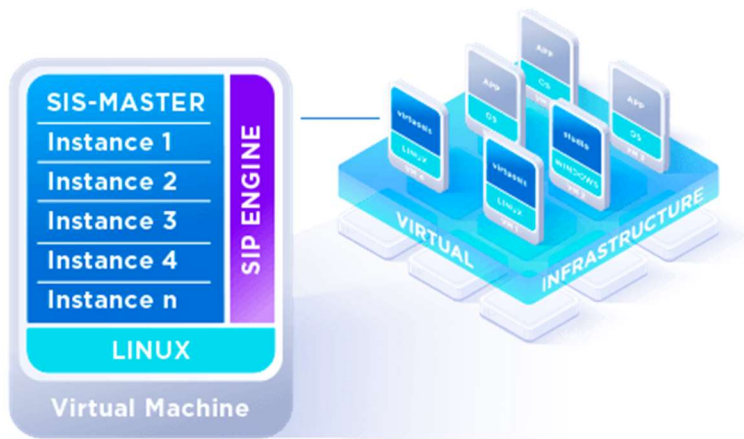## SOFTWARE INTERCOM SERVER VIRTUOSIS

THE FIRST CHOICE FOR VIRTUALISED AND HYPERCONVERGED INFRASTRUCTURE

With Commend VirtuoSIS, the **world's first software-based Intercom server**, our solutions integrate seamlessly into the flexible world of IT infrastructures and appliances, where they bring all their benefits and technical talents to bear: ultimate functionality and business-critical high availability, the central hallmarks of Commend solutions.

VirtuoSIS is our core solution for **Symphony On-Prem** from where you can get access to the world of Symphony **Cloud Services** at any time via Symphony Bridge.

Available for

- vSphere by VMware
- Hyper-V by Microsoft
- Acropolis AHV by Nutanix

UP TO 1,120 IP SUBSCRIBERS PER VIRTUAL MACHINE

- **112 IP subscribers per instance**

- Supports IP-based (SIP/IoIP®) Intercom stations, modules, loudspeakers, amplifiers, and third-party SIP-Telephones

- Supports digital and analogue Intercom stations together with IP-Converter box ET 901 (IoIP®)

ULTIMATE AVAILABILITY – ULTIMATE SECURITY

Hyperconverged infrastructure (HCI) brings simplicity and operational efficiency to datacenters while delivering high performance and **unmatched resilience**.

A HCI is built on industry standard servers, switches and tightly integrate virtual computing, virtual storage, virtual networking and virtualisation in one offering.

100% FLEXIBLE, 100% COMPATIBLE

- Flexible licensing options – **expandable at a mouse click.**

- Fully compatible with previous system generations (GE 800/GE 300) through **networking** (LAN/WAN)

- **VoIP connectivity** via SIP trunk to IP-PBX servers and service providers, VoIP connectivity to PSTN via SIP gateways

HIGHLY EFFICIENT

- **Optimum use** of existing resources allows you to pool your common infrastructure resources as needed.

- **Lower costs and less power consumption** thanks to reduction of physical server infrastructures and improved server/administrator ratio.

INTERFACES AND INTEGRATION

Where security and communication systems are concerned, it is essential for the many different components to work together smoothly.

VirtuoSIS support open standards and offers a variety of **interfaces to third-party systems** like VMS, Access or Public Address.

Integration Zone

TAKE ADVANTAGE OF OUR SYMPHONY CLOUD

The Symphony Bridge opens up the world of Symphony Cloud services for our on premise solutions with VirtuoSIS. This strong foundation enables the use of **mobile iOS and Android clients** the **Web Client** and **access to upcoming Cloud Services**.

Symphony Cloud

VIRTUOSIS HAS ALSO A HARDWARE HOME

VirtuoSIS, our fully software-based Intercom Server, is the solution of choice for on premise arrangements and forms the core element of our S6 and S3 hardware servers.

Server Overview

CYBER SECURITY

At Commend, we put all our efforts to provide customers with the best cyber security possible.

STAY UP TO DATE WITH UPGRADE SUBSCRIPTIONS

Be one step ahead of the threats. Regular updates ensure that your system is always up to date with the latest cybersecurity protection.

Intercom Server S6 in 19" Technology

IoIP
SIP
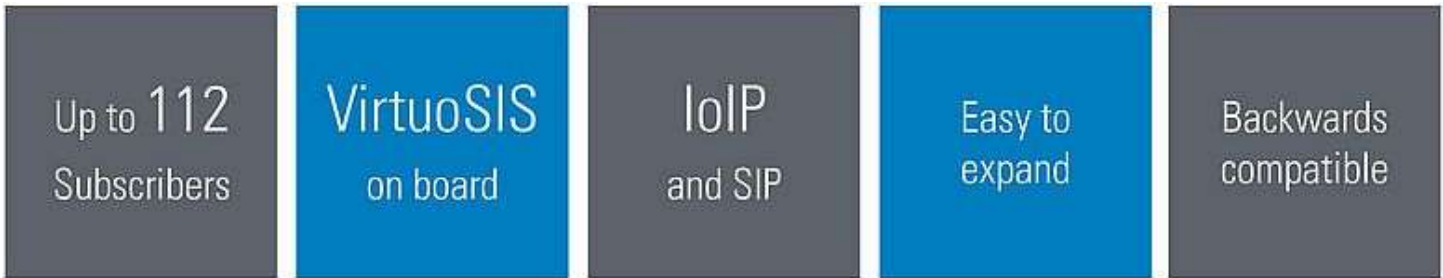
Main features

eHD Voice Audio Quality

HD Voice Audio Quality

Intercom Server S6 is a mono-socket rack server that is powered by Commend's proven VirtuoSIS Intercom Server software (VirtuoSIS Base Licence). Optimized for rack installation, it's setting new server room standards with its industry-leading performance and energy efficiency. The S6 ensures uninterrupted operation and system availability.

- IP/SIP up to 448 Subscribers / Server
- IP interfaces for programming, remote maintenance and operation

Intercom Server S3 Technology

THE COMPACT INTERCOM APPLIANCE

| Up to 112 Subscribers | VirtuoSIS on board | IoIP and SIP | Easy to expand | Backwards compatible |

POWERFUL, COMPACT, TOP-RATED: THE NEW INTERCOM SERVER S3

Designed as an 'out-of-the-box' server solution, the S3 manages **up to 112 subscriber** connections and offers the full range of high-performance features provided **by Commend's VirtuoSIS software**. This makes it an ideal full-range server solution **for small and medium-sized installations**. Choosing your required features and functions is as easy with the S3 as it is with its big brother S6: just unlock the required licenses with a click of the mouse and start using them within seconds.

BIG PERFORMANCE IN A SMALL PACKAGE

Although it's big on performance, the S3 requires only a minimum of installation space. Its **thin casing is designed for wall-mounting** but also installs easily in any standard-sized server rack when fitted with the **optionally available rack-mount kit** (e.g., as an extension to an existing Intercom solution).

READY FOR ACTION IN NO TIME

Once connected, the **S3 is immediately ready to go**. With the one-time basic activation complete and the required licenses unlocked, you are free to take advantage of a wide array of functions provided by the pre-installed VirtuoSIS Intercom Server software. The selection of features ranges from the **support of various interfaces** to **setting up automated customer-specific processes** using Commend's ComPLC application, and lots of other functions.

TOP-RATED PRICE/PERFORMANCE RATIO

The S3's high-scoring qualities are not limited, to just functionality and performance. Priced at a highly competitive level, it is also an exceptionally **cost-efficient and safe long-term investment**.

CLICK TO SIP

Need **powerfulSIP capabilities**? Look no further – the S3 comes with a wide selection of built-in SIP functions, which **can be unlocked with a license**, in a matter of seconds. The typical high quality and extra functionality of Commend's SIP features puts the S3 heads and shoulders above ordinary SIP solutions.
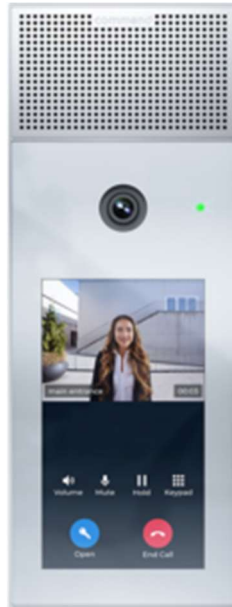
KEY FEATURES

- Ultimate availability and security

- The communication solution integrates smoothly with existing IT infrastructures.

- Physical separation of IT and communication server

- Compact all-in-one package including powerful hardware and preinstalled VirtuoSIS Intercom Server software.

- Provides full range of VirtuoSIS functions.

- Flexible licensing scheme for VirtuoSIS Intercom Server software

- Optimised for wall-mounting (optional rack-mount kit available)

- Requires no key subscribers.

- Extremely low operating costs thanks to high energy efficiency

Learn more about VirtuoSIS

ID5 TD CM - INDOOR STATION WITH 5-INCH TOUCH DISPLAY AND CAMERA

ID5 TD CM

SIP

Main features

- Suitable for desktop use and wall mounting.
- High-quality front panel made from high quality glass, with loudspeaker grill made from high-grade steel, set in an aluminium bezel.
- Bright 5-inch multi-touch display
- Built-in colour video camera
- Installation kits for flush and surface mounting, with interlocking mechanism
- Continuous line and function self-monitoring
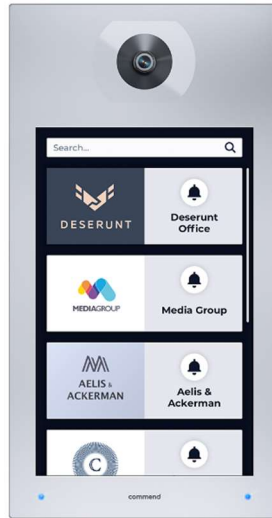- Easy add-on options via USB port

TFT-Display

Camera

IP 40 rating

Multi-functional Indoor Intercom station, brilliant 5-inch touch with 720 × 1280 pixel resolution and integrated wide-angle colour video camera.

IP-based web video camera (130° diagonal angle, 125° horizontal angle, 100° vertical angle), high-luminosity aperture, max. resolution 960 × 1280 pixels (1.2 megapixels), H.264 and Motion JPEG (MJPEG) video streams, frame rate 30 pictures/second.

ID5-TDCM
IP-based communication via SIP

OD10 TD CM - OUTDOOR STATION WITH 10-INCH TOUCH DISPLAY AND CAMERA

OD10 TD CM

SIP

Main features

- Suitable for outdoor and indoor use
- Front plate made 3 mm hardened glass.
- Bright 10-inch multi-touch display
- Emergency Mode provides helpful functions to enable fast, decisive action.
- Installation kits for flush and surface mounting, with interlocking mechanism
- Quick and easy to configure individually over web-based interfaces.
- Crystal clear speech quality
- Continuous line and function self-monitoring
- Easy add-on options via USB port

TFT-Display

Camera

IP 65 rating

IK 07 rating

Multi-functional Intercom Station suitable for outdoor use with brilliant 10-inch touch screen with 800 × 1280-pixel resolution.

IP-based web video camera (150° diagonal angle, 145° horizontal angle, 123° vertical angle), high-luminosity aperture, max. resolution 1280 × 960 pixels (1.2 megapixels), H.264 and Motion JPEG (MJPEG) video streams, frame rate 30 pictures/second.
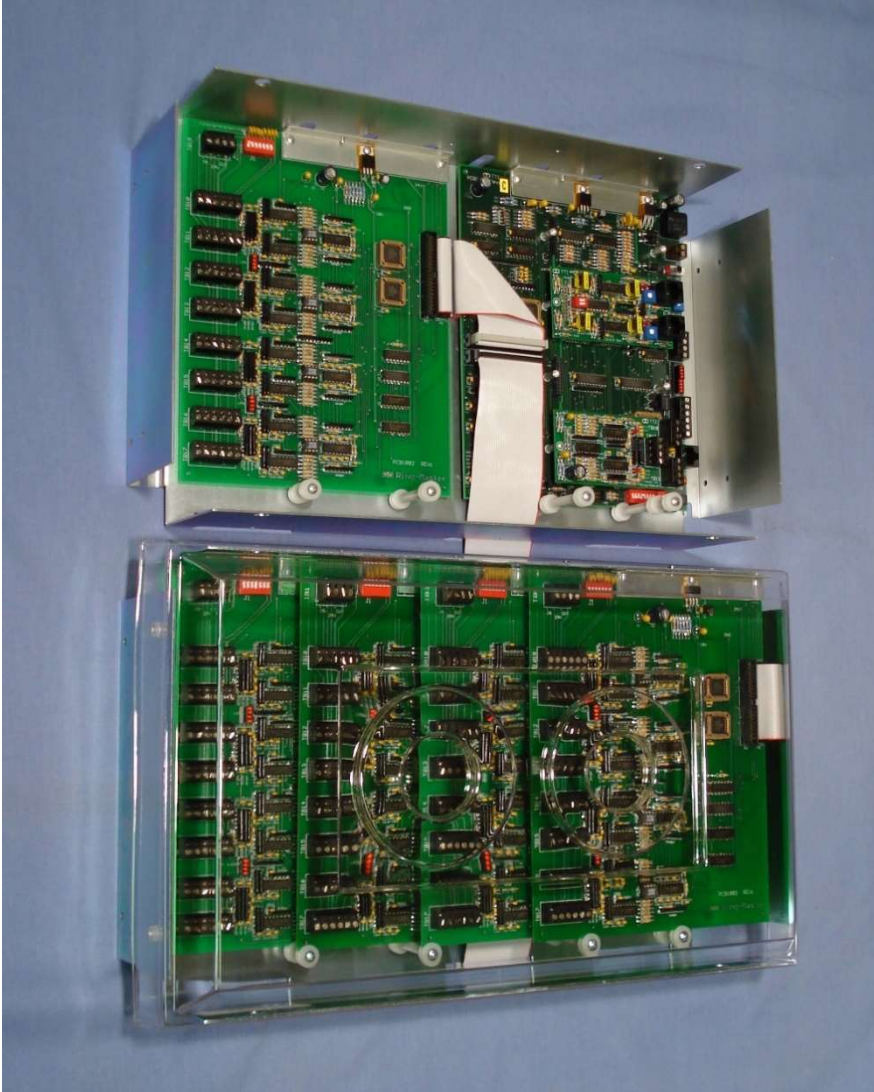
OD10-TDCM
IP communication via SIP

Ring Communications Intercom Systems

RM5000EX and CB901EX

RM5000EX INTERCOM SYSTEM

The RM5000EX is a microprocessor-controlled intercom central exchange. Capacity is expandable from 8 to 56 in increments of 8 (LC500). The intercom stations may be any combination of masters and subs. The system has 3 conversation links and one program distribution channel. Crisis Alert features are standard. The RM5000EX central can be connected to other RM5000EX centrals and the larger CB901EX central using Interlinks. The processor card has 6 multi-use ports that are used for the interlinks. The multi-use ports can also be used for the small line card LC502 when a 2- or 4-line exchange is needed. FEATURES: Hands free loud speaking Event log output (DNA100 required) Confidential soft-speaking (handset) Video Switcher interface (DNA200 required) Talk button for speech direction control Access control interface (DNA300 required) Microphone mute Pocket page interface

(DNA400 required) Camp on busy extension 1 Direct access each station Crisis Alert network interface 10 Direct dial each station 2, 3 or 4 digit number plan Assignable call numbers Program distribution 16 Character Caller ID 8 Group All Call or Group Call 7 transfer numbers for each station Group Conference Priority Meet me Line supervision for masters and subs Simplex always option Battery backup (standard on 32-56 line systems) Privacy Battery charge alarm Remote Control (DTMF) Auto dialer (IF934P or DNA934P required)

CB901EX INTERCOM SYSTEM

Ring-Master Communication and Security System applications: Elevator Hospital O. R. Clean Room Area of Rescue Police Station Prison Parking Garages Parking lots Door/gate entry Mass Evacuation DESCRIPTION: The CB901EX is a microprocessor-controlled intercom central exchange. Capacity is expandable from 8 to 240 stations in increments of 8 (LC978). The intercom stations may be any combination of masters and subs. The system has 15 conversation links and 7 program distribution channels. Crisis Alert features are standard. The CB901EX central can be connected to other CB901EX centrals and the smaller RM5000EX central using Interlinks. FEATURES: Hands free loud speaking Event log output (DNA100

required) Confidential soft-speaking (handset) Video Switcher interface (DNA200 required) Talk button for speech direction control Access control interface (DNA300 required) Microphone mute Pocket page interface (DNA400 required) Camp on busy extension 1 Direct access each station Crisis Alert network interface 10 Direct dial each station 2, 3 or 4 digit number plan Assignable call numbers Program distribution 12 Character Caller ID 8 Group All Call or Group Call 7 transfer numbers for each station Group Conference Priority Meet me Line supervision for masters and subs Simplex always option Battery backup Privacy Battery charge alarm Remote Control (DTMF) Auto dialer (IF934P or DNA934P required)

AA919 CLEAN ROOM WALL STATION DISPLAY

Front Foil is Antimicrobial treated. Front foil is washable. Loud speaking hands-free operation. Flush or Wall mountable with appropriate Back box. 32 Character alpha numeric display. Full keypad with access to all system features. Sensitive electret microphone. Volume control on front panel. Privacy Switch. Compatible with Ring-Master Systems CB901EX and RM5000EX

DESCRIPTION: The AA919 has speaker and microphone for normal hands-free speech with a range of 3-5 meters (10-15 feet).The stations keyboard consists of 10 numeric dialing keys (DTMF), push-to-talk key (T), cancel key (X), volume UP/DOWN keys, privacy key (P) and a microphone mute key (M), allowing full access to all features offered by the system. A status LED is used, for indicating station-ON and Privacy. FEATURES: The Clean Room Station AA919 is designed for hospital operating rooms, patient isolation rooms, biological laboratories, restaurants and clean room manufacturing. The station front foil is made with Microband® technology that provides dependable protection against bacterial contamination. When bacteria come's into contact with the foil, the antimicrobial function disrupts the bacterial cell wall killing or inhibiting bacterial growth. The foil is resistant to chemicals and cleaners and offers excellent scratch resistance. Use this Intercom when cleanliness is a key consideration. Use optional I/O board IF932 for alarm output to Strobe (CSTAR-M).

AA918 DESK / WALL MASTER STATION

The AA918 is a non display desk master station. The station has a speaker and microphone for normal hands-free speech with a range of 3-5 meters (10-15 feet). By lifting the station, it can be used as a handset with a microphone and receiver on the back of the station. The station cord may be connected at either end. An optional bracket may be used for wall mount. When the station is in the bracket it is in hands-free mode and when removed from the bracket it switches to handset mode. Keyboard consists of 10 numeric dialing keys (DTMF), push-to-talk key (T), cancel key (X), volume UP/DOWN keys, privacy key (P) and a microphone mute key (M), allowing full access to all features offered by the system. A status LED is used for indicating station-ON and Privacy. FEATURES: Hands-free operation. Auto sensing Handset mode operation. Voice controlled "Duplex" communication. Microphone Mute. Full keypad with access to all system features. Sensitive electret microphones (2). Volume control on front panel. Privacy Switch. Paper inserts area for Directory. Compatible with Ring-Master Systems CB901, CB901EX, RM5000 and RM5000EX. Made in USA

AA920 DESK DISPLAY MASTER STATION

The AA920 is a display desk master station. Up to 4 Calls can be displayed, at the same time. Scroll keys are used to display additional calls if there are more than 4 in queue. The E-key will answer the calls in priority order (use scroll keys to answer out of order). The station has a speaker and microphone for normal hands-free speech with a range of 3-5 meters (10-15 feet). By lifting the station, it can be used as a handset with a microphone and receiver on the back of the station. The station cord may be connected at either end. An optional bracket may be used, for wall mount. When the station is in the bracket it is in handsfree mode and when removed from the bracket it switches to handset mode. Keyboard consists of 10 numeric dialing keys (DTMF), push-to-talk key (T), cancel key (X), volume UP/DOWN keys, privacy key (P) and a microphone mute key (M), allowing full access to all features offered by the system. A status LED is used for indicating station-ON and Privacy. LED is red when in handset mode. 5 languages are user selectable for the display.