

smart

efficient

cost-effective

FREQUENTIS smart3020X

Designed to fit: small- and medium-sized voice communication system for towers and APPs

The new smart3020X voice communication system (VCS) is based on the proven VCS3020X hardware and software platform. smart3020X exploits stackable the GATE-X2 switch modules to support flexible scaling, but uses the same software as its larger sibling to ensure no sacrifices in terms of functionality. The smart3020X is the ideal solution for tower and approach applications.

Be smart – benefit from the powerful feature database

The smart3020X is the first compact VCS without any functional limitations. Each customer has the opportunity to select from the extensive smart3020X functional range; this ensures optimal configuration options to match individual requirements.

Be efficient – adapt the system to your needs

Scalable system size. The GATE-X2 core switch modules are fully stackable to create the required system size from small to medium-sized applications.

iPOS is the most modern operator position; even including video e.g. door camera capability. It can be connected to the communication server through PCM30 or Ethernet. Dependent on your needs the iPOS can also be combined with the IP Backup. You can connect up to four loudspeakers; there are two plug-in-panels, each providing operator and coach plugs also for binaural headsets.

The additional value Frequentis offers its customers stems not only from the diversity of its products, but also through its ability to combine these products in unified systems. More over Frequentis is the first supplier to have implemented the EUROCAE ED-137 specifications in all of its ATM communication products.

Be cost-effective – decide on a high-quality product with optimal price-performance ratio

Best Life Cycle Support. Hotlines, telephones, e-mail and remote log in routines guarantee short response times to system support requests.

Simple Installation Routines. The smart3020X is completely configured and tested according to your needs before it gets shipped. The interfaces, racks and core switch modules will be delivered pre-cabled in the system cabinet. On site the smart3020X is up and running simply by patching the respective operator position cables and interface lines.

Lowest Implementation Risk. Due to the highly disciplined approach to project- and quality management and system implementation in time and in budget, Frequentis reduces the integration risk for each customer and project size.

FREQUENTIS AG HEADQUARTERS

Innovationsstraße 1, 1100 Vienna, Austria
Tel: +43/1/811 50-0, Fax: +43/1/811 50-5009
www.frequentis.com



Functional Highlights

- Integration to all other Frequentis products (e.g. DIVOS 3 log, smartStrips)
- iPOS – the most modern operator position
- Premium HIBRITE® powerpanel (1000 cd/m², FAA approved)
- EUROCAE ED-137 VoIP for ATM interface

Proven Architecture

- Really decentralised system – no single point of failure
- Star architecture with duplicated communication links
- Parallel running system communication servers

Enhanced Management System (TMCS)

- Push and Pull Role Concept
- Graphical System Management
- Traffic Analysis Tool

SPECIFICATIONS

HARDWARE

System Size

- Connection to iPOS via PCM 30: 1-12 positions
- Connection to iPOS via Ethernet / IP : 1-16 positions
- IP gateways for radio and telephone (EUROCAE ED 137 compliant)
- 28 telephone or radio channels per rack; unlimited number of racks

Communication Server

- 2 or 4 communication servers modules (GATE X2), 1HU, fully stackable, with duplicated fibre optic system backbone and duplicated PCM30-connections or Ethernet to peripherals (interface racks and operator positions)

Telephone Interfaces

- (e.g.): Subscriber Line Interface 2-wire (conforming to ITU-T Q.23)
- PABX/PSTN Line Interface 2-wire
- Local Battery Line Interface
- MFC-R2 / MFC-No.5 Interface (acc. to EUROCONTROL)
- E&M-Interface 4/6-wire
- ATS-QSIG 64 kBit/s Interface (acc. to EUROCONTROL)
- ISDN S0 Basic Rate 2B+D Interface (acc. to various ITU-T Recommendations)
- ISDN S2M Primary Rate 30B+D Interface (acc. to various ITU-T Recommendations)

Radio Interfaces

- 4-wire analogy interface (contact, phantom or in-band PTT/SQU-signalling)
- RS232 data interface for remote control
- Digital 2 MBit/s CAS
- IP/SIP ED-137

POWER REQUIREMENTS

- Communication Server (Gate X) 24 V DC; 115/230 V AC (consumption less than 64 W/module)
- Operator Position (iPOS) 24 V DC
- TMCS Power Supply 115/230 V AC mains supply

OPERATING CONDITIONS

- Operating Temperature + 5° C to + 45° C with forced cooling of interface cabinets (TMCS excluded)
- Relative Humidity 5 to 95% (without dewing)

STANDARDS

- Electrical Safety EN60950-1(2001)
- EMC EN55022 (1998), EN55024 (98)

Technical specifications and requirements are correct at the time of going to press, but may change without prior notice as our products and services are continually updated. Frequentis has endeavoured to ensure that the information in this document is, to the best of its knowledge, correct, but does not accept any liability whatsoever for any error or omission.

FREQUENTIS AG HEADQUARTERS

Innovationsstraße 1, 1100 Vienna, Austria
 Tel: +43/1/811 50-0, Fax: +43/1/811 50-5009
 www.frequentis.com

