2022 INFOCOMM

Please Visit us in Las Vegas June 8th-10th in the West Hall Booth W2339

Check out these new products and features!

NEW SENATOR 900
Fully Digital & Networked AEC Distance Conference System

Blending simplicity with fully integrated functionality, the Senator 900 system employs one DCP900 processor to provide connections for up to 100 delegate units in a redundant loop or two daisy chains via Mic-Link. Capable of forming a daisy chain with up to 64 DCA660 digital amplifiers via STP CAT5/6 cable (metal shielded RJ45 plug). Xavtel's proprietary "Mix-minus auto calibration" function makes the initial system setup easy by automatically adjusting the suitable parameters to prevent the feedback. Furthermore, the variety of intuitive control buttons on the front panel offers convenient control of the DCP900 processor.

No more Mic Break-Out Boxes!

PPM- IT5
IP Touch Screen Paging Console

The TERRACOMII audio communication, messaging and intercommunication platform is a suite of products designed to transmit live audio paging, stored messaging, background music, 2-way intercommunications, contact output triggers, and audio monitoring over IP. The TERRACOMII range supports PoE (Power over Ethernet), and/or can be powered locally with external 24VDC power supply. The network infrastructure of TERRACOMII uses any existing network, and via a router will allow connection to the Internet for transmission and control.

A built-in web browser interface allows simplified control and programming of the TERRACOMII devices. In addition, by using the TerraManager GUI-based control software, call-paging, full duplex intercom, paging groups, zones selection, audio routing, recording, event scheduler, device I/O monitoring and other control functions and device management can be easily programmed and operated.

Programmable Functions

All the paging parameters needed for site operation can be programmed within the PPM-IT5, such as assigning zones to the various buttons, naming of zones, groups of zones, messages triggering or event control. There are a total of 168 keys over 14 pages for zone or group of zones selections. The pre-recorded messages and chime can be stored within the PPM-IT5 console. A built-in web browser interface allows simplified control and configuration of the PPM-IT5.

- New Sleek, Lower Profile Design
- Redundant Ethernet Ports

Full Audio DSP!

SINERGIA SYSTEM
PAVA Modular Amplifier Processor

The SNG-VM is a PA/VA amplifier processor that offers 14 monitored speaker zones. It's equipped with 7 slots which can install either 250W x 2CH or 500W x 2CH highly efficiency, hot-swappable amplifier module, providing a maximum 14CH, totally 7000W output power (burst power[*1]). In case the amplifier fails, one or two channel of internal amplifier or an external amplifier can act as spare backup amplifier, which will automatically take over the operations of the failed amplifier.

The Sinergia system offers a high level of redundancy for PA/VA installations. Including optional dual AC power supply or 48VDC battery backup with battery charger, A/B speaker lines for each zone, redundant paging console network, redundant Ethernet, and 3rd generation Ateis-Net real time audio network redundant loop or star wired with less than 1 ms latency[*2] architecture.

Each amplifier processor has 4 monitored remote ports and each remote port can connect up to 16 paging consoles, and max. 32 paging consoles per SNG-VM. The remote ports can be wired in daisy-chain or in redundant loop. The maximum cable length is 250M (820 ft)[*3] between the SNG-VM processor and DPM-MAIN paging console via STP CAT5/6 cable or higher with metal shielded RJ45 connector.

The SNG-VM comes with 3 card slots for audio I/O expansion. Slot A is used for analog telephone card or remote network paging card, and slot B/C can be equipped with 4CH Mic/Line in, 4CH Line out, 2CH Mic/Line in and 2CH Line out, 4CH digital I/O, VoIP and AES/EBU. The SNG-VM not only provides pre-defined configurations for time-saving set-up, but also offers a full drag and drop DSP architecture for more complex applications. The amplifier processor has internal message storage for up to 120 minutes and a Micro SD card interface for configuration backup with all security message storage. The PC based software provides event scheduler, DSP parameter adjustment, preset control, logic control, message player, VoIP, recorder etc., making the entire system flexible and easy to program and integrate.

TERRASERVER
Integrated Management Software

Added Features and Functions to the Terra-Server Software for 2022:

- Enables Audio Paging/Messaging across the Internet/WEB

- Fault Monitoring of IDA8 Emergency Communications Systems across the Internet

- LDAP Integration for User Management

- Can now be installed and run on Virtual Servers – VMWare

- Auto-Record audio on paging/messaging/intercom over the network

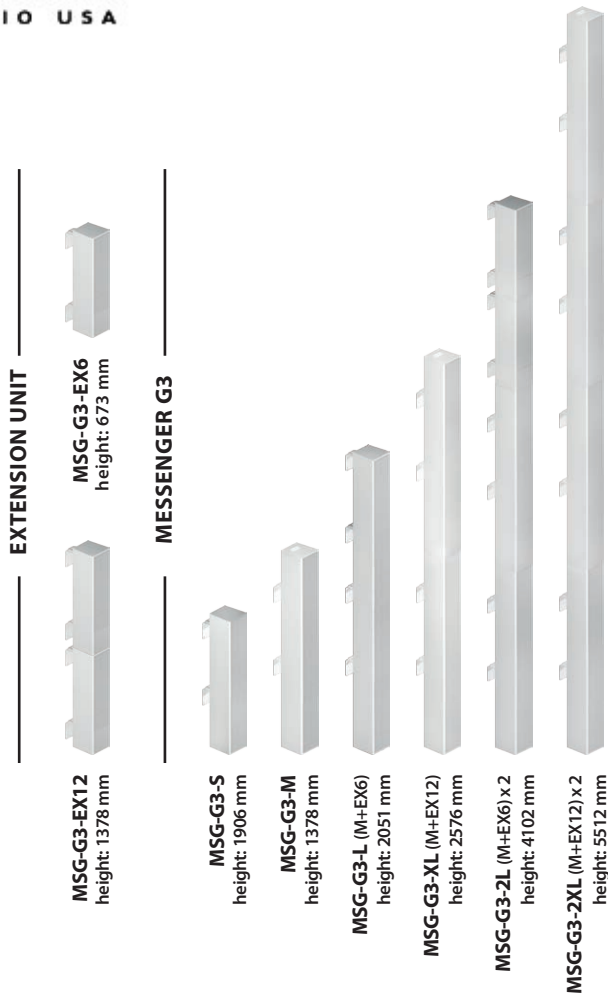- Multi-Streaming and audio Playlist Management and Control over the Network

NBX SYSTEM
Fully supervised digital emergency intercommunications system

The EVCS is an emergency communications system, disabled refuge and help point communications. The system allows people who need assistance to call the Operation Control Centre (OCC) and enable the OCC to call the end points. The refuge areas must meet certain criteria, the TERRACOM EVCS is designed to comply with BS5839, Part 9, 2011, which meets the standards of secure, monitored, bi-directional, full-duplex voice communication system, to assist fire fighters and emergency personnel in the management of an emergency situation. The system is ideally suited for use in many applications such as high-rise buildings and large sites where radio or cell phone access communication may not be possible during an emergency.

Applications:

- Area of Rescue Assistance
- On-Board Train Communications
- Emergency/Security Call System
- Industrial Emergency/Safety Call System

NEW GENERATION MESSENGER G3
Active Steerable Array Speaker System

The MESSENGER G3 line array has a very tightly controlled beam and signal pattern (stays within 3 dB from 5m to 100m) for 8/12 Class-D amplifier channels (assemble separate arrays to longer one which for 18/24/36/48 amplifier channels), and can be shaped for specific applications or environ-ments which requiring symmetrical, asymmetrical, single, dual or triple lobe designs. The MESSENGER G3 is equipped with one mic/line, speech and background music, and can be separately adapted for optimum performance. The BGM function has sound directivity and high-quality music also enhances the low frequency performance of the MESSENGER G3. For speech mode, there will be 3 standard filters available for quick setup, in more demanding situations, the intelligibility can be fine tuned manually. The TI DSP chipset and a sampling rate of 48 kHz ensure a wide frequency response, up to 22 kHz for high fidelity sound and an impressive low frequency response. With the patented algorithm and the side lobe free suppression for speech reinforcement, making the MESSENGER G3 a fully versatile steerable line array which meets the demands of today's market for pro-sound and speech reinforcement. The MESSENGER G3 is entirely software controlled. The lobe control and variable acoustical centre can compensate for architectural requirements and accommodate various 1.2m ~ 4m mounting heights.

Dynamic Lobe Design Software

WHO ARE WE?

Few companies have such a drive for innovative development as Penton/ATEIS. In the past 30 years, Penton/ATEIS has become synonymous with high quality Voice Alarm and Public Address systems, drag n drop DSP platforms, and DSP steerable line arrays, all across Europe and the world. With our own audio networking and data-routers, voice over IP solutions and our latest development, Intercom over IP, we are leading the industry!

The Penton/ATEIS brand name is found in many prestigious installations throughout the world, such as The Festival City in Dubai, Indianapolis Airport, The US Library of Congress, Hong Kong Airport, Dubai Snow Dome, Pearson Airport in Toronto, or the Louvre Museum in Paris just to name a few.

At the heart of the company's success sits a team of engineers who are highly motivated to apply the latest technologies into our designs. With its operational heart in Switzerland and factories in France, Taiwan and and offices across the globe, Penton/ATEIS has become a true multinational that is expanding faster than ever before. We have been listening to and meeting customer needs since our inception and are well known for our unique problem solving approach to real world challenges that face consultants and contractors alike on a daily basis. In short, Penton/ATEIS is simply more than you expected for less than you expected!

Contact your local Penton dealer today
to discuss the best system to suit your needs.

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