



IP CLASSROOM SOUND AND INTERCOM

IP SCHOOL INTERCOM, PAGING, MESSAGING, BELL SCHEDULES

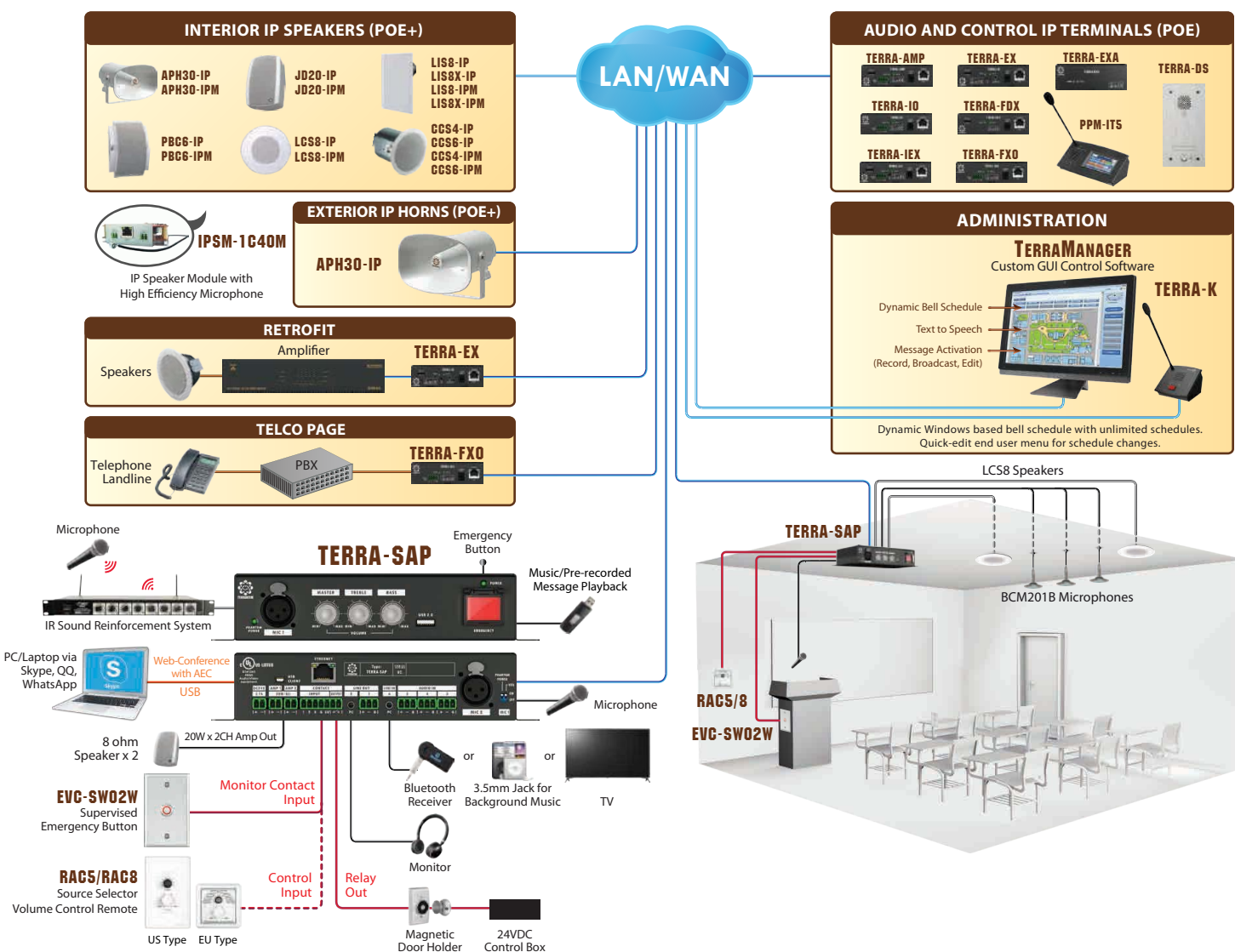


The School Sound System - A full audio over IP-based classroom solution, including teaching, paging, messaging, class change & scheduling, hands-free intercom & emergency communication. The system provides a safe and secure environment for students, staff and visitors. The Terra-SAP is a networkable device that includes a 20W x 2CH Class-D amplifier and processor unit that acts as an audio hub for locally connected devices such as mic/line inputs, USB interface for message/music storage and playback, connection with audio-visual devices such as projectors as well as logic input/outputs. Local volume control and audio input selection can be managed using our RAC5 or RAC8 control panel. In case of an emergency, press the supervised EVAC button either on the Terra-SAP or via the remote EVC-SW02W EVAC switch unit in order to alert a central monitoring station able to respond to an incident.

The TERRACOM system devices are powered via POE and include a range of IP, POE+ speakers and audio devices including our unique boundary microphone which can be used for both intercom and classroom speech reinforcement applications.

The TerraManager Graphical User Interface (GUI) software can be operated on a touch screen PC/Laptop, brings it all together by facilitating full control, paging, intercom, recording, streaming, audio routing, device I/O monitoring, and bell scheduling with the greatest ease. The TerraManager is customized to each application whether it is a district wide school intercom, campus paging, messaging/BGM distribution on multiple stores, and so on.

SYSTEM DIAGRAM



SYSTEM COMPONENTS

TERRA-SAP School Sound Amp Processor, 20W x 2

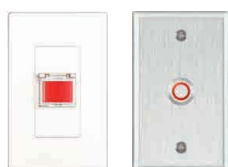


- 2 microphone inputs with master volume control and bass/tremble sound level adjustment
- 1 monitored emergency button to alert central monitoring station
- USB 2.0 interface for record and music/pre-recorded message playback
- 20W x 2CH (Class-D amp) or bridged to 40W x 1CH amplification on 8 ohm load
- Sensitivity adjustment/phantom power/voice activated (VOX) for microphone input
- 1 stereo line input for background music
- 3 balanced mic inputs used for intercom between student and administration
- 3 monitored control inputs for hidden emergency button or programmable source selector and volume control (RACS/8)
- Mini-USB interface to connect to PC/Laptop for web conferencing
- 1 relay control output and 1 Ethernet port
- 24VDC power input (2.7A)



BCM201W Boundary Microphone(White) BCM201B Boundary Microphone(Black)

- Capsule type: Electret condenser
- Designed in high definition, omnidirectional microphone capsule
- Connected to the balanced mic input of TERRA-SAP, providing intercom and speech monitoring applications



EVC-SW01W Supervised Emergency Button EVC-SW02W Supervised Emergency Button (Metal)

ACTIVE IP LOUDSPEAKERS



APH30-IP IP Horn Speaker (20W External 24VDC/PoE+) APH30-IPM IP Horn Speaker with Mic (20W External 24VDC/PoE+)



JD20-IP Music Cabinet Loudspeaker (20W External 24VDC/PoE+) JD20-IPM Music Cabinet Loudspeaker with Mic (20W External 24VDC/PoE+)



PBC6-IP Open-Back Wall-Mount IP Speaker (6W External 24VDC/PoE+) PBC6-IPM Open-Back Wall-Mount IP Speaker with Mic (6W External 24VDC/PoE+)



LCS8-IP Twin-Cone IP Speaker (4W External 24VDC/PoE+) LCS8-IPM Twin-Cone IP Speaker with Mic (4W External 24VDC/PoE+)



LIS8-IP LIS8X-IP LIS8-IPM LIS8X-IPM

- Lay-in Tile IP Speaker (5W External 24VDC/PoE+)
- Lay-in Tile 2 Way IP Speaker (15W External 24VDC/PoE+)
- Lay-in Tile IP Speaker with Mic (5W External 24VDC/PoE+)
- Lay-in Tile 2 Way IP Speaker with Mic (15W External 24VDC/PoE+)



CCS4-IP CCS6-IP CCS4-IPM CCS6-IPM

- 4" Pro-Ceiling IP Speaker 2 Way (20W External 24VDC/PoE+)
- 6" Pro-Ceiling IP Speaker 2 Way (30W External 24VDC/PoE+)
- 4" Pro-Ceiling IP Speaker 2 Way with Mic (20W External 24VDC/PoE+)
- 6" Pro-Ceiling IP Speaker with Mic (30W External 24VDC/PoE+)

FEATURES

- Control, monitor and management via web browser
- A full audio over IP classroom solution including paging, audio streaming, messaging, bell scheduling, hands-free intercom, voice evacuation, etc.
- 20W x 2CH or bridged to 40W x 1CH Class-D amplification on Terra-SAP
- Podium microphone inputs and logic inputs/outputs on Terra-SAP
- Instant alert by pressing the evac button on Terra-SAP or EVC-SW02W
- Excellent sound quality (24 bits and 48 kHz sampling)

TAKE ADVANTAGE OF A HIGHLY FLEXIBLE IP PLATFORM AND COST EFFECTIVE EDUCATIONAL SYSTEM TO MATCH YOUR SECURITY NEEDS



**Voice Evacuation / Message Playing / Intercom
Paging / Bell Scheduling / Proactive Monitoring**
with intuitive TerraManager graphical control software

Cost-Efficient and Cost-Effective Open Architecture
offering flexible, real-time correctional IP-based integration

Open for Customization
with integration of all TERRACOM devices for customized applications

Web Browser
AGC, PEQ, AEC, ANR, monitor, level control, event and bell scheduler, priority management etc., password security and log reports can be managed by a dedicated web browser



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