



AMBIENT SYSTEM

Ambient System SMART-CU-8LCD smartVES voice alarm control panel with LCD touchscreen

Product code SMART-CU-8LCD · Voice alarm systems > Control equipment

Main control panel of the smartVES voice alarm system with an LCD touchscreen. Redundant processor card, 4 function card slots and 8 control card slots. EN 54-16.

- Approved to EN 54-16, CPR 1438-CPR-0948
- Redundant processor card (2 × ABT-xCPU)
- 4 function card slots and 8 control card slots
- 4.5-inch LCD touchscreen
- Up to 8 simultaneous messages to different zones



Product description

SMART-CU-8LCD is a central unit of Ambient System's smartVES voice alarm system. According to the manufacturer, it is intended as the system's main controller that controls the other devices. The unit is a matrix mixer for input signals that routes audio to four internal 100 V audio buses, to a 48-channel digital bus or directly to the unit's audio outputs. It has a redundant processor card (2 × ABT-xCPU).

The rear panel has four function card slots for audio input, audio output and logic cards (ABT-xAudio-4/8-RS, ABT-xAudI-8, ABT-xLogIN-8f and ABT-xLogOUT-8f). In addition, there are eight control card slots for loudspeaker line control cards and logic cards (ABT-xCtrLine-4, ABT-xCtrLine-2, ABT-xLogIN-8c and ABT-xLogOUT-8c).

The colour touchscreen on the front panel is used for the system's management and monitoring functions. According to the manufacturer, the system can be integrated with other manufacturers' devices using the SMS protocol.

Technical data

Product code	SMART-CU-8LCD
Manufacturer	Ambient System
Product group	Voice alarm systems > Control equipment
Operating voltage	48 V DC (40–57 V DC), screw terminal
Power consumption	Max. 60 W (depending on configuration)
Number of card slots	4 function card slots and 8 control card slots
Display	4.5-inch LCD touchscreen
Processor card	Redundant (2 × ABT-xCPU)
DSP	3-band parametric EQ on inputs; 16-band parametric EQ and delay line on outputs
Messages	SD memory card up to 32 GB; the 512 MB card included holds over 20 minutes of messages

Simultaneous messages	Up to 8 to different zones
Network	Up to 254 devices; 2 × 1 Gbit/s system ports (optical fibre or RJ45), PoE port
Control inputs and outputs	2 inputs and 2 outputs
Amplifiers	Up to 12 backed-up amplifiers
EN 54 approval	EN 54-16
CPR	1438-CPR-0948
Operating temperature	−5...+40 °C
Humidity	15–80% (non-condensing)
Storage temperature	−20...+70 °C
Dimensions	482 × 85 × 325 mm (W × H × D)
Mounting	19-inch rack
Weight	Max. 8 kg (depending on configuration)
Enclosure	Steel, black-painted metal front panel
Included in delivery	2 rack brackets and 4 screws, 8 blanking plates for empty card slots

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Datasheet: SMART-CU-8LCD (Ambient System)

CPR certificate (series): 1438-CPR-0948, smartVES system

Declaration of performance (DoP) (series): smartVES system smart-20230925

EU declaration of conformity (series): smartVES system smartVES-DCE-20231025

Datasheet (series): smartVES voice alarm system (Ambient System)

User manual (series): smartVES voice alarm system

Request a quote or ask for more information

Sales +358 40 668 7641 · myynti@pap.fi · Mon–Fri 8 am – 4 pm (Finnish time)

Up-to-date information and documents: pap.fi/en/tuote/smart-cu-8lcd/