

E451

Anti-vandal IP intercom

Product specifications



E451 is an IP intercom compatible with the SIP protocol. Furthermore, it supports a customizable proprietary protocol

Its anti-vandal front and the IP 65 protection rating against dust and water spray make it the ideal system for harsh environments.

The audio communication is established through a bidirectional audio channel using the SIP protocol and a proprietary protocol.

The firmware configuration and update is made via web server; these parameters are stored in its programmable non-volatile memory and it is not necessary an additional battery for keeping the stored values.

Dual connection to the Ethernet network by means of its two RJ-45 connectors.

PoE according IEEE 802.3af standard.

Extended temperature range for use in demanding operating environmental conditions, from -40 °C to 74 °C.

It offers an additional bidirectional contact for different possible uses such as in gates control, relays control, an additional push button, etc...

Complies with:



Integrated in DESICO Vigiplus management software



IP intercom with anti vandal enclosure

Total implementation of the SIP protocol

Accoustic echo cancellation

IP 65 rating against dust and water

Firmware update and configuration via web server

Bidirectional contact for controlling other devices

PoE or DC 9~14 Vdc power supply (optional 14~36 Vdc)



Audio, data and contacts over IP

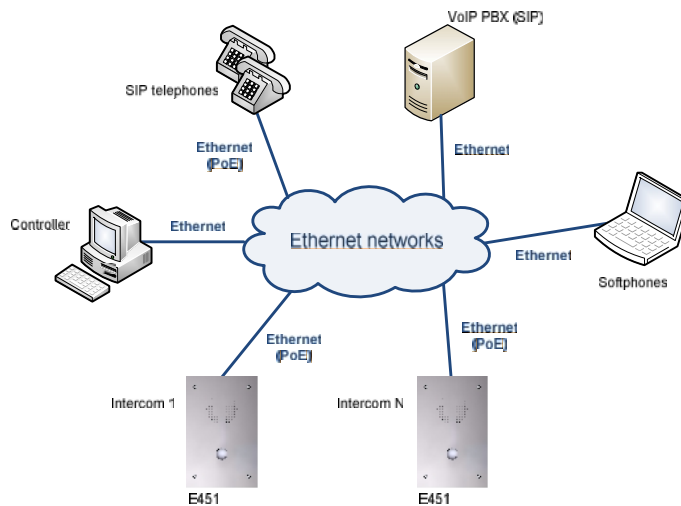
Specifications:

Electrical interface	
Audio	
Transmitted signals	1 bidirectional signal
Supported coding	G.711 A-Law
Sampling frequency	8 kHz
Power ⁽¹⁾	Up to 1.4 W over one 4 Ω load
Contact	
Input/output contact	1 opto-isolated input and 1 relay output
Push button and indicator led	Red LED (Open Audio)
Network interface	
Type of signal	2 x (10Base-T, 100Base-TX)
Operation mode	Full/half duplex (aut. detection)
Protocols	SIP, RTP, ICMP, SNMP, ARP, STUN, NTP, DTMF, TFTP, DHCP and Telnet
Power	
Power supply	9 to 14 Vdc (optional 14 to 36 Vdc) PoE
Consumption ⁽¹⁾	< 5 W
Format and dimensions	
Format	Built-in enclosure or box for surface mounting with IP65 protection rating
Dimensions	120x200x60 mm (built-in enclosure) 140x220x60 mm (surface-mount box)
Operating environmental conditions	
Temperature	-40 °C ~ 74 °C
Humidity	0% ~ 95% (non condensing)

Ordering information:

Code	Version
E451-AVE	IP intercom, PoE, anti-vandal for built-in
E451-AVS	IP intercom, PoE, anti-vandal for surface mounting
E451-AVF	IP intercom, PoE, anti-vandal .It includes neither built-in enclosure nor box for surface mounting
T-AVS	Stainless steel canopy for surface-mounting enclosure
C-AVE	Built-in enclosure
C-AVS	Stainless steel case for surface-mounting enclosure

Sample application:



Notes:

(1) Typical values, as production average

The specifications can be modified without prior notification as a result of the continuous improvement process of our systems