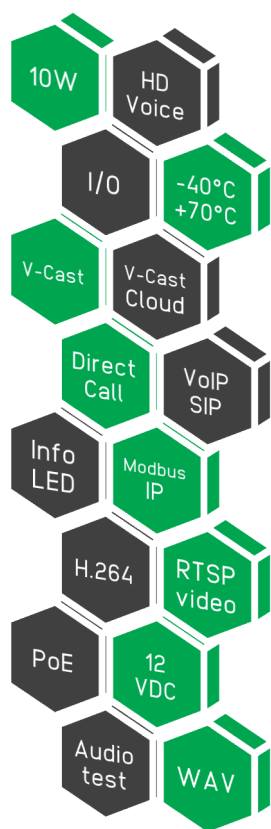


- VoIP, SIP
- 10W class D amplifier
- 2 relays
- 3 inputs
- 4x4 keypad connection with backlit
- Storing audio messages in internal memory
- PoE



VCIM is an IP intercom module designed for voice communication via the IP network infrastructure. The module allows for integration into another device, and allows you to create your own IP intercom station.

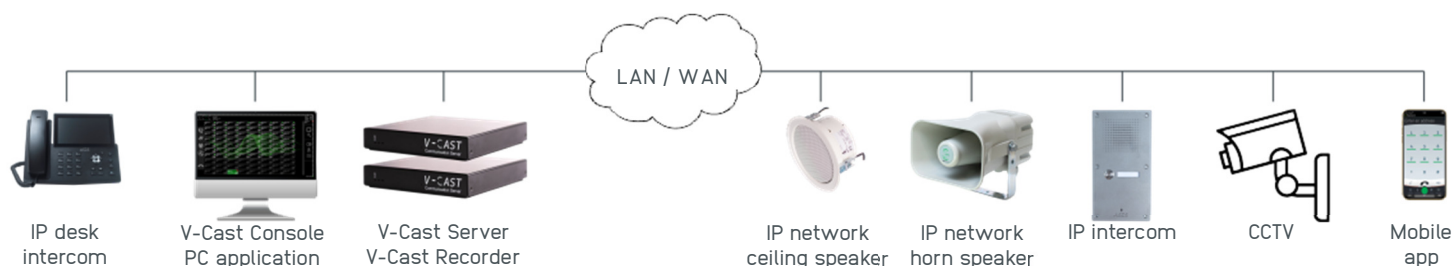
The intercom module can be registered in the V-Cast server, the V-Cast Cloud service as well as in a standard VoIP telephone exchange supporting the SIP protocol. It can also work in serverless Direct Call mode (Peer-To-Peer P2P), in which the connection is established directly between devices.

VCIM allows you to make individual calls, group calls, and general calls, as well as storing recorded voice and alarm messages in the internal memory. Messages can be played depending on the current device status, activated by the operator during a call, or via HTTP.

The intercom module supports several operating modes that can be used depending on current needs such as conversation, Push-To-Talk, listening, paging, broadcast. The intercom allows you to make VoIP video calls. During the call, an RTSP video stream is downloaded from the CCTV camera, which together with the audio is sent to the videophone.

The intercom enables intelligible voice communication thanks to the transmission of sound in a wide acoustic band, and an efficient class D power amplifier, which provides very high volume. The intercom supports two different echo cancellation algorithms, including AEC and attenuate, ensuring very good quality of voice communication.

The VCIM intercom module has 2 relays for controlling external devices, 3 inputs for connecting buttons/external sensors and systems, and a 4x4 numeric keypad connector that can also serve as an additional 14 inputs.



TECHNICAL PARAMETERS

AUDIO

Power amplifier:	10W class D
Audio codecs:	g.711a, g.711u, g.722, g.726
Volume adjustment:	Independent for conversation, ring, tones, prerecorded audio files, paging, emergency message volume, microphone input gain, microphone input gain in listen mode
Operating modes:	Conversation, Push-To-Talk, Paging, Broadcast, Emergency, Listening-in, Audio files playback, Noise detection
Audio diagnostics:	Verification of the audio path (speaker-microphone)

VIDEO

Camera:	IP-RTSP
Video codecs:	H.264

CONNECTORS

Ethernet:	1x RJ45 (100Mbps)
Power In:	1x
Power Out:	1x (12VDC)
Digital inputs:	3x + 14x (keyboard connector)
Relay:	2x NO/NC (60V, 100mA)
InfoLED output:	1x
Keyboard:	matrix 4x4 with backlit
I2C connector:	1x
USB connector:	1x

ELECTRICAL

Power supply:	PoE (IEEE 802.3af standard, Class 0) or 12VDC
Power consumption:	1W (nominal), 15W (max)

MECHANICAL

Dimensions (W x H x D):	72 x 67 x 17mm
Weight:	0,1kg

ENVIRONMENTAL

Operating temperature:	-40°C to +70°C
Relative humidity:	5% - 90% not condensing

PROTOCOLS

IP protocols:	ARP, IPv4, ICMP, IGMP, TCP, UDP, DHCP, DNS, SIP, HTTP, Telnet, RTP, RTCP, SNTP, Modbus TCP, Modbus UDP
SIP protocols:	RFC 3261, SIP Info (DTMF), RFC 2833 (DTMF)
IP address:	Static, DHCP
Management:	http, telnet

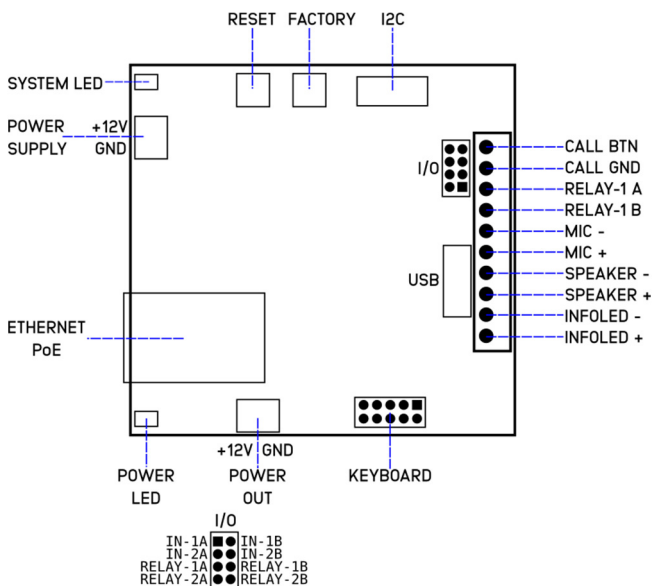
CERTIFICATES

CE

ACCESSORIES

Item number	Name
VCIM	IP intercom module
Mic_01	Microphone in a plastic housing, 1 m cable
Mic_02	Electret microphone, 4cm cable
Lsp_02_8	Speaker 8Ω, 8W, 120-20.000Hz, 5cm, IP-65
Butt_01	Vandal-proof button with LED, IP-65, 30cm cable

VCIM Connectors:



Mic_01



Mic_02



Lsp_02_8



Butt_01

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