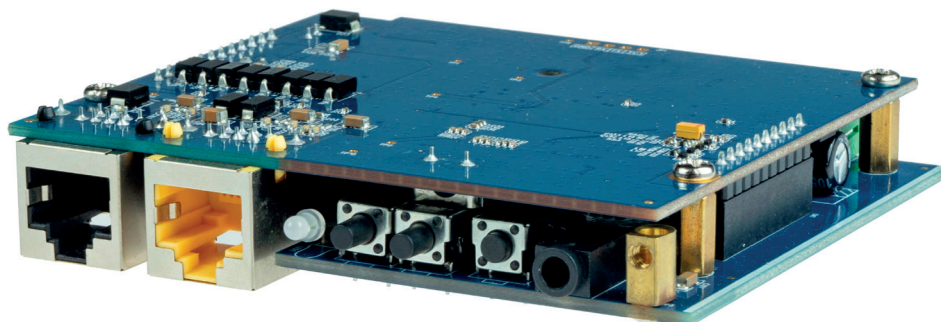


SIP Intercom Module

ICO MODULE 01

- ✓ *Full Duplex Echo Cancellation*
- ✓ *High quality HD Audio*
- ✓ *Relays enable control functions*
- ✓ *Supports IP and network standards*
- ✓ *Wide operating temperature range from -30 to +70°C*
- ✓ *Emergency call button interface, active call*
- ✓ *IP camera video call available*
- ✓ *3.5 mm standard audio interface for recording purposes*
- ✓ *Build in amplifier 10 W – 30 W with adaptive output power*
- ✓ *Web server for managing and upgrading*



ICO CUBE is the solution designed to complement other systems with the voice communication to the control center, perfectly fit to be built in unmanned systems such as parking systems, lifts, charging EV stations, and ticket offices. Extensive interfaces provide services and interaction with the user.

INTERCOM

- » SIP 2.0
- » Double SIP lines support
- » IP address voice distribution
- » Direct volume adjustments
- » WEB server configuration
- » Auto Provisioning
- » Audio output for e.g. hearing loop driver
- » Hands-free communication
- » Auto answer
- » Multicast capabilities
- » Power by PoE or DC
- » Input for programmable button
- » NTP synchronization
- » Remote control by Active URL / Action URL

NETWORK / PROTOCOLS

- » PoE support
- » DNS support
- » VLAN support
- » VPN support
- » SNTP client support
- » RTP / SRTP support
- » HTTP / HTTPS webserver
- » QoS v.802.1p/q
- » Message-Digest algorithm 5 support
- » WEB filter
- » Static / DHCP
- » STUN support

AUDIO

- » Support G.711a/u, G723.1, G.726, G729AB
- » HD voice by G.722 codec
- » AEC
- » DTMF support (RFC2833 / SIP info)

PHYSICAL SPECIFICATION

Headset speaker	×1 » Output: 32 Ω 1.2 V » Interface: pluggable terminal block
DSS key interface (4 lines)	×1 » Indicator: output 5.0 V 5 mA » Interface: pluggable terminal block
Microphone input interface for electret condenser microphone	×1 » Sensitivity: -38 dB, Impedance 2.2 kΩ, Bias voltage 2.2 V » Interface: pluggable terminal block
Speaker interface	×1 » Output power: 4 Ω, POE / 10 W, 12 V / 10 W, 18 V / 20 W, 24 V / 30 W; related to supply voltage » Interface: pluggable terminal block
RJ45 interface	×2 » Yellow: WAN port 10 / 100M adaptive, support POE » PoE: 802.3af (Class 3: 6.49 ~ 12.95 W) » Black: LAN port » Cable: Cat.5e or better
Indicators	×1 Diode indication of the intercom status
Volume keys	×2 Buttons for volume control
Reset button	×1 Reset button for factory restore
Output interface	×1 3.5 mm standard audio interface 15 Ω impedance, for recording
Short circuit input and output interface (built-in relay)	×1 » Relay: max DC 30 V / 1 A, AC 125 V / 0.5A » Interface: pluggable terminal block
Power	Power up from 12–24 VDC / 2A via terminal blocks or 5.5 mm standard plugin or PoE
Standby power consumption	DC 12 V 1.32 W / POE 1.8 W
Housing material	Aluminium alloy shell
Installation	Indoor installation
Operating temperature	-30 ~ 70°C
Storage temperature	-40 ~ 70°C
Equipment size	113 × 83 × 28 mm
Equipment weight	250 g

MODEL

Description

ABT-ICO-MOD01-00L1B1

Intercom-Modul

COMPATIBILITY


ABT SYSTEM GATEWAY
ISE COMM - Intercom Server