

1008132035

## TKIE-3CC | IP Intercom Kit

Extended IP Kit with Conformal Coating



- ✓ Conformal coated electronics (CC) - for enhanced protection in humid, dusty, or corrosive environments
- ✓ Flexible integration options - with dual RJ45 Ethernet ports (integrated switch), dual DPDT relays, six configurable I/Os (input, output, or LED-driving), and a 5x5 keyscan matrix for external keypad support
- ✓ Advanced Audio Technology - High sound pressure levels, automatic volume gain control, and active noise and echo cancellation for superior clarity.
- ✓ Seamless Integration - Fully compatible with Zenitel Connect Pro, ICX-AlphaCom, IC-EDGE, and SIP-based systems.

---

 SIP  ONVIF Conformant  IC-Edge  ICX AlphaCom  HD Voice

---

### Description

The TKIE-3CC is an enhanced model in our IP Intercom Kit range, building on the proven audio performance of the TKIS-2. It delivers the same high-quality sound while introducing a range of expanded features, including conformal coating for added environmental protection, dual RJ45 ports for Ethernet connectivity with an integrated switch, dual relays, a 5x5 keyscan matrix, and a dedicated header for easy integration of audio accessories.

For high-power control applications, the TKIE-3CC can be paired with the TA-10 Relay Module, which provides two DPDT relays suitable for high-voltage and high-current environments.

See also: Additional documentation is available at [wiki.zenitel.com](http://wiki.zenitel.com).

page 1/3

# Specifications

## AUDIO

Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz – 7000 Hz
Audio technology	Full open duplex, switched open duplex
	Sound level detection (scream alarm)
	Automatic gain control
	Automatic volume control (AVC)
	Acoustic Echo Cancellation (AEC)
	Noise cancellation
Internal speaker amplifier	10 W class D
Supported microphone technologies	Digital MEMS microphone, Electret microphone
Recommended loudspeaker impedance	8 ohm

## NETWORKING AND PROTOCOLS

Application Protocols	SIP, SIPS, HTTP, HTTPS, TFTP, RTP, SRTP, RTCP, RTSP, DHCP, SNMP, Vingtor-Stentofon CCoIP®, NTP, ONVIF, WS-Discovery
IP Versions	IPv4 & IPv6
LAN protocols	Power over Ethernet (IEEE 802.3 af) f) Network Access Control (IEEE 802.1x)
Supervision functions	Keep alive test, tone test, status reports
SIP support	RFC 3261 (SIP base standard) RFC 3515 (SIP refer) RFC 2976 (SIP info), SIP using TLS, RFC 5630 SIPS URI scheme
DTMF support	RFC 2833, 2976 (SIP info)
Integration and API	Connected to ICX-AlphaCom through AlphaCom protocol ACDP Connected to Zenitel Connect Pro through Zenitel Link
	ONVIF

## HARDWARE

Ethernet connectors	2 x RJ45
General inputs and outputs	6 (configurable)
Outputs	12mA as LED drivers
Change-over relays (NO+NC+COM)	Max: 250VAC/220VDC, 2A, 60W
Keyboard	5x5 keyscan matrix
Power options	PoE and or external power supply 24 VDC (16 – 48 V)
PoE (power over Ethernet)	IEEE 802.3af standard, Class 0 (0.44W to 12.95 W)
Power consumption	Idle 1.8W, max 12W (depending on volume)

## CONSTRUCTION

Dimensions (HxWxD)	65 x 100 x 25 mm / 2.6" x 4.0" x 1.0"
Weight	0.1 kg / 0.2 lbs
Encapsulation material	N/A
Warranty	2 Years standard warranty, extendible up to total of 5 years (additional fee)

## ENVIRONMENTAL COMPLIANCES

Operating temperature range	-40° to 70° C / -40° to 158 ° F
Storage temperature range	-40° to 70° C / -40° to 158 ° F
Relative humidity	< 95% not condensing

## APPROVALS

EMC	EN 61000-6-1, EN 61000-6-3, EN 50121-4, FCC part 15
Sustainability	REACH, RoHS

## Accessories



TA-23

Industrial Handset for Turbine with PTT



TA-10

Relay Module



TA-16



TA-17