1008132020

TKIE-2 | IP Intercom Kit

Extended IP Kit with Dual Ethernet Ports



- Metal enclosure - suitable for DIN-rail mounting
- Flexible integration options - with dual RJ45 Ethernet ports (integrated switch), dual DPDT relays, and six configurable I/Os (input, output, or LED-driving).
- 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 Exigo HD Voice

Description

The TKIE-2 is the extended model in our IP Intercom Kit range, designed as our most flexible integration platform. It delivers the same high-quality audio performance as the TKIS-2 kit, while adding several enhanced features. These include an additional RJ45 port for dual Ethernet connectivity, dual relays, and a convenient header for easy integration of audio inputs and outputs — such as line-level signals and accessories like headsets or handsets.

The TKIE-2 also includes general I/O and signal relay capabilities. For applications requiring high-power switching, it can be paired with the TA-10 Relay Module, which provides two DPDT relays suitable for high-voltage or high-current loads.

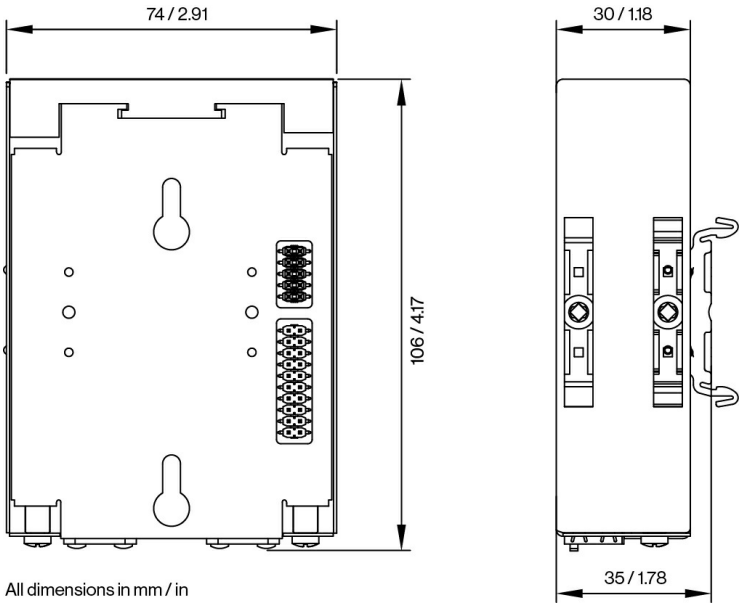
See also: Additional documentation on wiki.zenitel.com.

Technical Dimensions

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All dimensions in mm / in

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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 a-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 though Zenitel Link
	ONVIF

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HARDWARE	
Ethernet connector	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
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)	74 x 106 x 30 mm / 2.9” x 4.2” x 1.2”
Weight	0.1 kg / 0.2 lbs
Encapsulation material	Steel
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
Sustainablilty	REACH, RoHS

Accessories



TA-10

Relay Module

Item Number: 1008140100



TA-16

Item Number: 1008140160



TA-17

Item Number: 1008140170

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Used With



ENA2060-DC1

Exigo Network Amplifier with 2 60 W Amplifier Channels 110 V DC

Item Number: 1023122061

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