1008132020

TKIE-2 Kit with dual ethernet ports

Turbine Extended IP Kit

- ✓ IP station kit with extended functionality
- ✓ Dual RJ45 for Ethernet connectivity (with switch)
- ✓ Dual relays (DPDT)
- ✓ 6 configurable I/Os (input, output or LED-driving)
- ✓ Line-in/Line-out connectivity for connection to audio devices
- ✓ Possibility for connecting high-power relay module (TA-10)
- ✓ High quality 10W amplifier
- ✓ Powerful audio technology including high sound pressure, automatic volume gain control, and active noise echo canceling
- ✓ Metal enclosure suitable for DIN-rail mounting

SIP   Turbine   IC-EDGE IC-Edge   ICX-AlphaCom   Exigo   Automatic Volume   HD Voice   Automatic Gain Control

Active Noise Cancelling   Open Duplex   Voice Activity Detection
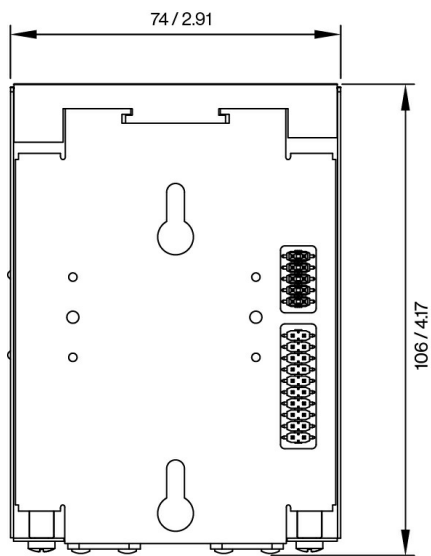

Description

The TKIE-2 is the extended version of our Turbine Kit range and our most flexible integration platform. It offers the same high quality audio as the TKIS-2 kit, and adds to the feature list with an extra RJ45 port for dual Ethernet connectivity, dual relays, and a header for easy connection of audio in and outputs, such as line-level inputs/outputs and audio accessories such as headsets/handsets.
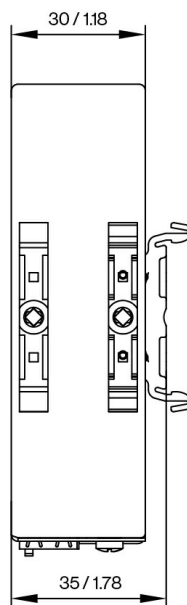
The TKIE-2 offers I/O and signal relays. For high-power switching applications, the TKIE-2 may be complemented with the TA-10 Relay Module which offers 2 DPDT relays suited for high-voltage/high-current loads.

See also: additional documentation on wiki.zenitel.com

Technical Dimensions

www.zenitel.com   info@zenitel.com

74 / 2.91

30 / 1.18

106 / 4.17

35 / 1.78

All dimensions in mm / in

Spécifications

AUDIO

Noise cancelling - suppression of musical noise	YES
Noise cancelling - suppression of static noise	YES
Noise cancelling - suppression of rapidly changing noise	YES
Codecs	G.711, G.722, G.729
Frequency range, G.722 Codec	200 Hz - 7000 Hz
Audio technology	Modes: Full open duplex, switched open duplex
	Adaptive jitter filter
	Local tone generator
	Audio mixing - 3 channels
	Sound level detection (scream alarm)
	Automatic gain control (microphone)
	Automatic volume adjustment
	10 W class D
	Digital MEMS microphone
	Electret microphone
	8 ohm

HARDWARE

Ethernet connector	2 x RJ45
All other connectors	Tool less, spring loaded, vibration proof terminals
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
PoE (power over Ethernet)	IEEE 802.3af standard, Class 0 (0.44W to 12.95 W)
External power supply	24 VDC (16 – 48 V)
Power consumption	Idle 1.8W, max 12W (depending on volume)
Audio line out / induction loop signal	600 ohm

NETWORKING AND PROTOCOLS

Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, DHCP, SNMP, Vingtor-Stentofon CCoIP® , NTP
LAN protocols	Power over Ethernet (IEEE 802.3 a-f) Network Access Control (IEEE 802.1x)
Management and operation	HTTP/HTTPS (Web configuration) DHCP and static IP + Vingtor-Stentofon Pulseâ„¢ Remote automatic software upgrade Centralized monitoring
Advanced supervision functions	E.g. network test, tone test, status reports
SIP support	RFC 3261 (SIP base standard)
	RFC 3515 (SIP refer)
	RFC 2976 (SIP info)
DTMF support	RFC 2833, 2976 (SIP info)

ENVIRONMENT AND 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
EMC	CE and FCC Part 15

OTHER SPECIFICATIONS

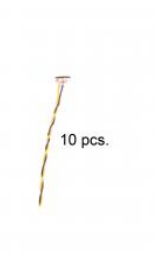|	
IP address information	Speaks IP address after system boot (requires connected loudspeaker)
Dimensions (HxWxD)	74 x 106 x 30 mm / 2.9" x 4.2" x 1.2"
Weight	0.1 kg / 0.2 lbs
Encapsulation material	Steel

Accessoires

TA-10

Relay Module

TA-16

TA-17

www.zenitel.com   info@zenitel.com

Used With

ENA2060-DC1 Network Amplifier

Exigo Network Amplifier 2 Channels, 60W
for Rolling Stock

www.zenitel.com   info@zenitel.com