

1008116010

TMIS-1

Turbine Mini Intercom



- ✓ Background noise cancellation
- ✓ Built to last with robust die-cast aluminum frame
- ✓ Supports wide set of IP and networking standards
- ✓ White thermoplastic front plate with one button
- ✓ ONVIF Compatible
- ✓ Ideal for Building Security and Public Environments

 UL Certified Intercom
  HD Voice
  Automatic Gain Control
  Active Noise Cancelling

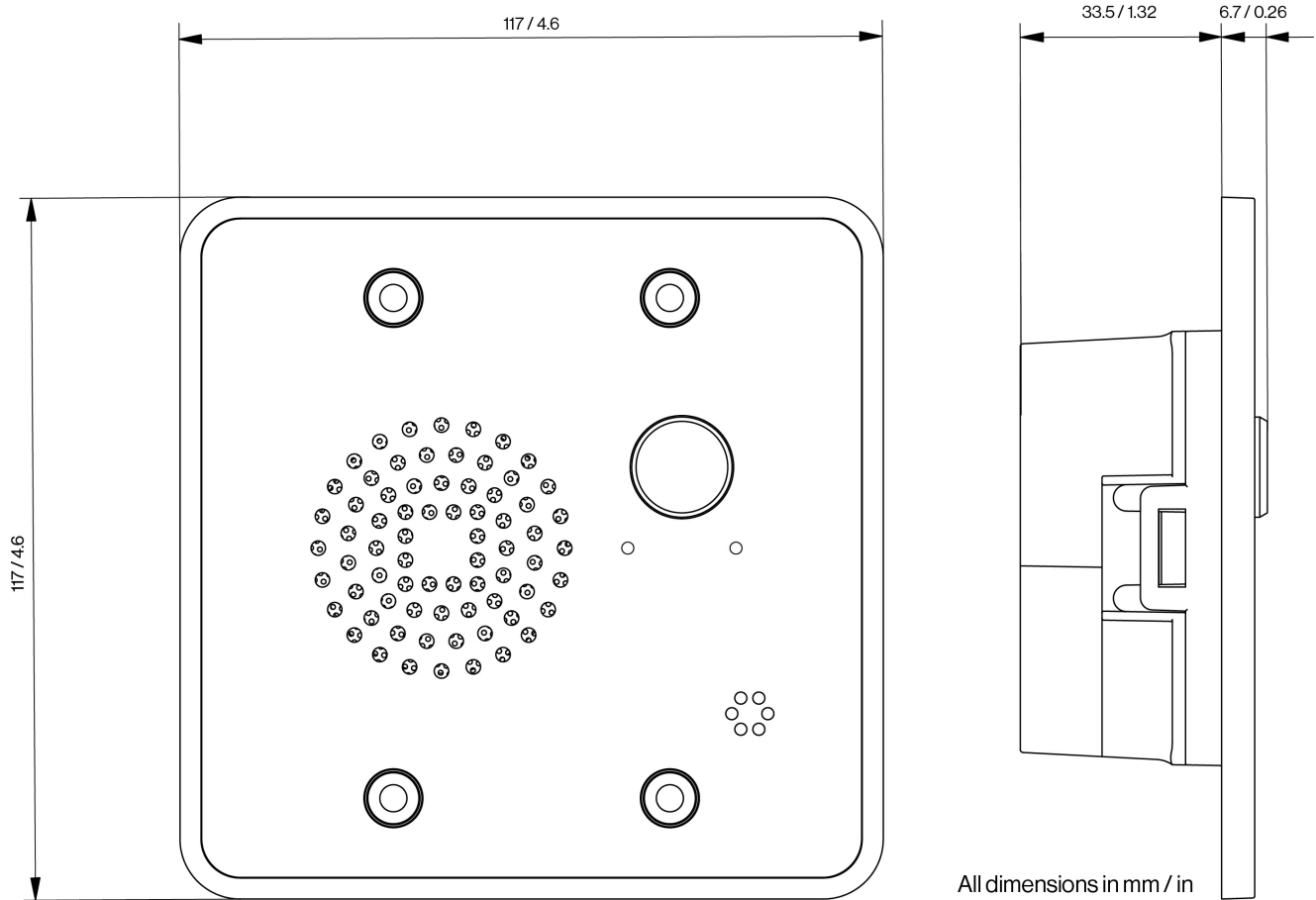
Description

All IP stations in the Turbine series utilize the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, and a Class D amplifier.

These features, in conjunction with our 65+ years of experience with acoustic technology are only a few of the many factors that contribute to the superior audio quality of our products.

See also: [additional documentation on wiki.zenitel.com](http://wiki.zenitel.com)

Technical Dimensions



Specifications

AUDIO

| | |
|---|---|
| SPL rated power at 1m | 90 dB |
| Noise cancelling - suppression of musical noise | YES |
| Noise cancelling - suppression of static 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 |
| | Custom Ringing Tone |
| | Audio Mixing – Conversation and Group Call |
| | Sound Level Detection / scream alarm (only in AlphaCom) |
| | Automatic gain control (microphone) |
| Internal speaker amplifier | Class D |
| Microphone technology | Digital MEMS, omnidirectional microphone |
| Automatic Volume Control (AVC) | Undistorted and clear audio |
| Acoustic Echo Cancellation (AEC) | Prevents audio feedback even at high volumes |
| Internal speaker amplifier | 10 W class D |
| Internal speaker | 1 W |

HARDWARE

| | |
|--|---|
| Ethernet connector | 1 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 relay (NO+NC+COM) | SELV |
| 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 | 2.8 W |
| Audio line out / Induction loop signal | 0 dBu / 600 Ohm |
| Button backlight | LED |
| Call indication | Icons/colors for hearing impaired |

CONSTRUCTION

| | |
|---|---|
| Dimensions (HxWxD) | 117 x 117 x 39 mm |
| Dimensions after flush mount | 117 x 117 x 5.5 mm |
| Weight | 0.3 kg |
| Button material | 3 mm / 0.12" Polycarbonate (transparent) |
| Faceplate material | 2 mm / 0.12" PMMA, colour printed on back side |
| Base / frame material | 3 mm / 0.12" Aluminum alloy - A413.0, AlSi12Fe, painted |
| Electronics cover material | Polycarbonate (translucent) |
| Loudspeaker poke protection, large diameter objects | Thermoplastic faceplate with machined grille |
| Loudspeaker poke protection, small diameter objects | Stainless steel mesh, acoustically transparent |

NETWORKING & PROTOCOLS

| | |
|-----------------------------------|---|
| Protocols | IPv4 (with DiffServ), SIP, TCP, UDP, HTTPS, TFTP, RTP, SRTP, DHCP, SNMP, ONVIF, 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 + IC- EDGE, Remote software upgrade, Centralized monitoring |
| Advanced supervision functions | E.g network test, tone test, status reports (only in AlphaCom) |
| 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) |

ENVIRONMENT & COMPLIANCES

| | |
|-----------------------------|--------------------------------|
| Ingress Protection rating | IP-42 |
| UV-resistant | YES |
| Operating temperature range | -25° to 55° C / -13° to 131° F |
| Storage temperature range | -25° to 55° C / -13° to 131° F |
| Relative humidity | < 95% non-condensing |
| EMC | CE and FCC part 15 |
| Certification | UL 62368-1, EN 62368-1 |
| Compliances | EN 61000-6-1, EN 61000-6-3 |

OTHER SPECIFICATIONS

| | |
|------------------------|---|
| Country of manufacture | Poland |
| IP adress information | Speaks IP address after system boot |
| Warranty | 2 Years standard warranty, extendible up to total of 5 years (additional fee) |

Accessories



TA-2

US 2-Gang 3 1/2" Deep
Backbox



TA-3

2 1/2" Deep Flushmount
Backbox for Turbine
Compact & Mini



TA-13

Turbine Mini On-Wall Back
Box White