

1008122010

TFIE-1

IP and SIP Intercom



NEC NEC CERTIFIED



Alcatel-Lucent Certified



CISCO Certified

Turbine



Industrial Intercom



IP66



Automatic Volume



HD Voice



Automatic Gain Control



Active Noise Cancelling



Voice Activity Detection

DESCRIPTION

- CCoIP/VoIP intercom for industrial environments
- Dual Ethernet connectivity for redundant networks
- PoE powered
- Auxiliary DC power for redundancy
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dual relay outputs
- 6 configurable I/Os
- Dust- and water-protected to IP 66
- Accessories include Handheld PTT, Headset with ON/OFF and PTT and Handset with PTT
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel

The TFIE-1 Industrial intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore. The TFIE-1 features a full keypad with one programmable button + keys for manual override (PTT) and Cancel. The intercom station is fully digital and offers crystal clear audio with high output through a 10 W internal amplifier and 78 mm speaker, offering up to 100dB SPL. Active Noise Reduction and Acoustic Echo Cancelling allows for hands-free two-way communication with superior audio quality. Intercom status indicators display the status of the system and are compatible with AlphaCom and Exigo systems as well as SIP functionality for use with 3rd party systems.

SPECIFICATIONS

MECHANICAL

Dimensions	170 x 340 x 100 MM
Weight	1.9 kg
Mounting	On-wall box (included)
Color	Yellow + Black

ORDER NUMBER

ORDER NUMBER DESCRIPTION

1008122010	TFIE-1 Full keypad with 1 programmable key
1008122020	TFIE-2 6 labelled programmable keys

ACCESSORIES

1023594100	1023594100 EGA-1 Button protection (10x) for TFIE/TFIX/EAPII/EAPFX
1023533311	EMMAI-1H Handheld Industrial Microphone, 1 Button, for EAPII/TFIE
1023533312	EMMAI-2H Handheld Industrial Microphone, Compact, Waterproof for EAPII/TFIE
1008140100	TA-10 Connection board with relays for TFIE/EAPII
1008140225	TA-22b 10m cable and plugbox w/PTT for Industrial headset (for TFIE)
1008140230	TA-23 Industrial/Marine Handset w/PTT (for TFIE)
1008140250	TA-25 Set of replacement screws (M6) for TFIE/TFIX/EAPII/EAPFX
1008140260	TA-26 Set of cable glands for TFIE/EAPII
AK5850HS	A-Kabel TwinCom Headband Headset ATEX

ENVIRONMENTAL

Operating temperature	-40°C to +70°C (-40°F to +158°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Operating humidity	10% to 95% RH (non-condensing)
Storage humidity	10% to 95% RH (non-condensing)
Air pressure	600 hPa to 1200 hPa
IP-rating	IP-66 tested according to IEC/EN 60529

ELECTRICAL

PoE	YES (1 x)
Power consumption	2 W (idle) to 12,9 W (max)
Auxiliary DC power	24 V nom (16 to 48 V)
Built-in switch	Managed, DHCP, Firewall
Compatibility	SIP, AlphaCom™, Pulse™, G.711, G.722, G.729, HD Voice
Handheld Microphone	Microphone (bal), PTT
Handset	Microphone (bal), Speaker (bal), + PTT
Headset	Microphone (bal), Speaker (bal), + PTT
Digital inputs/outputs	6 (configurable input/output/LED-driving)
Relay outputs	2 (250VAC/200VDC, 2A, 60W, 108 operations)
Audio	Line-in, Line-out
Aux power	1 (tool-free terminals)

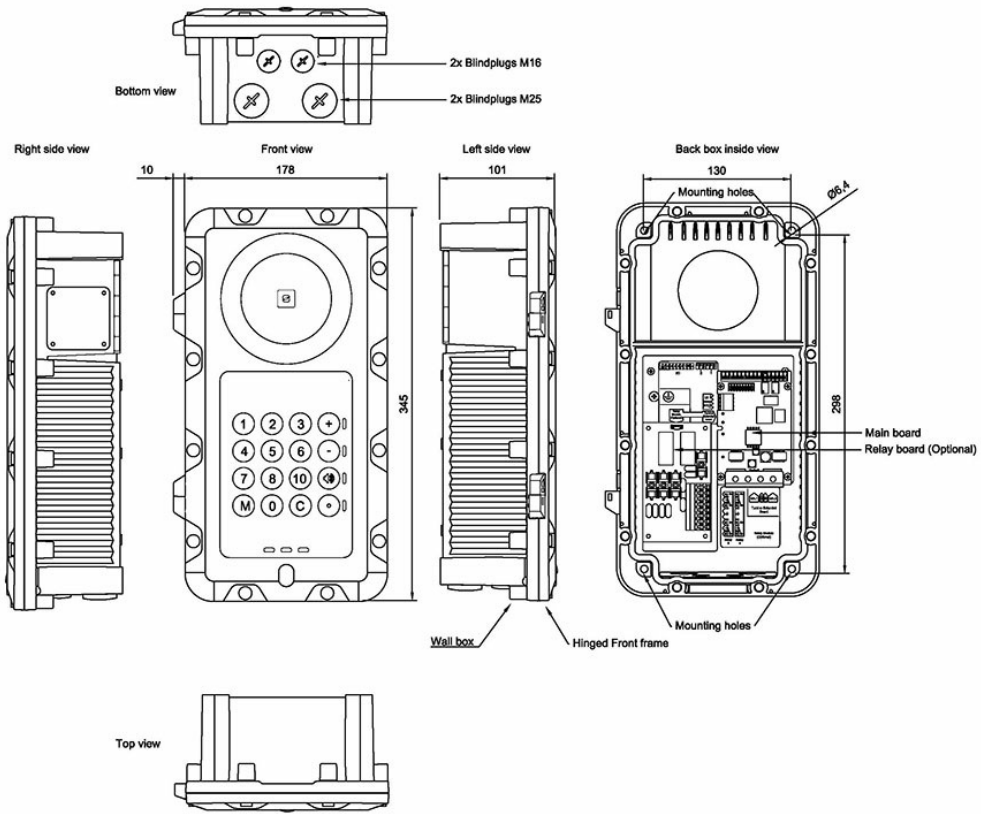
NETWORK

Connection	2 x RJ45
Ethernet type	10BASE-TX, 100BASE-TX
Functions	Auto negotiating, Auto MDIX
Built-in switch	Managed, DHCP, Firewall
Compatibility	SIP, AlphaCom™, Pulse™, G.711, G.722, G.729, HD Voice
Handheld Microphone	Microphone (bal), PTT
Handset	Microphone (bal), Speaker (bal), + PTT
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CERTIFICATIONS

Immunity	EN 60945, EN 50130-4, EN 61000-6-1, EN 61000-6-2, FCC-47 part 15B
Emission	EN 60945, EN 50130-4, EN 61000-6-3, EN 61000-6-4, FCC-47 part 15B

TECHNICAL DIMENSIONS



ACCESSORIES



1023533311

EMMAI-1H



1023533312

EMMAI-2H



1008140230

TA-23



AK5850HS

AK5850HS



1008140225

TA-22B



1008140100

TA-10