

1008093000

IPMSK

IP Master Station Kit

- Master station PCB made for Critical Communication over IP (CCoIP®) in custom made station housings
- Superb audio technology – gives loud-speaking hands-free duplex communication from any location in the room
- Integrated data switch with advanced networking and security functions
- Supports large high contrast display with white backlight for excellent readability
- Supports handset and headset
- Supports full keyboard
- Supports digital inputs and output via built-in relay
- Supports external audio amplifiers

Description

The Zenitel IP Master Station Kit features the electronics board as used in Zenitel IP master stations. It is designed to produce custom IP stations to the highest specifications and for use in the harshest of environments.

The IP Master Station Kit provides upto 1.5 W audio output. If even higher audio output is required an external power amplifier can be used. As a special function, the PCBcan extract power from the Ethernet's PoE circuit and give upto 6 W power to external units. This means that the PCBcan power an external power amplifier using its own PoE.

The PCB has one relay output and three logical inputs. These outputs can for instance be used to control and open a door or PA interface. The operation of the outputs and inputs are programmable and controlled by the AlphaCom E exchange. The IP station PCB has an integrated managed data switch providing advanced networking and security features. The integrated switch provides support for:

- Protection from unwanted access
- Quality of Service (QoS) by managing data traffic
- Increased system availability through redundant LANinfrastructure
- Cost efficient installation by providing shared network connections

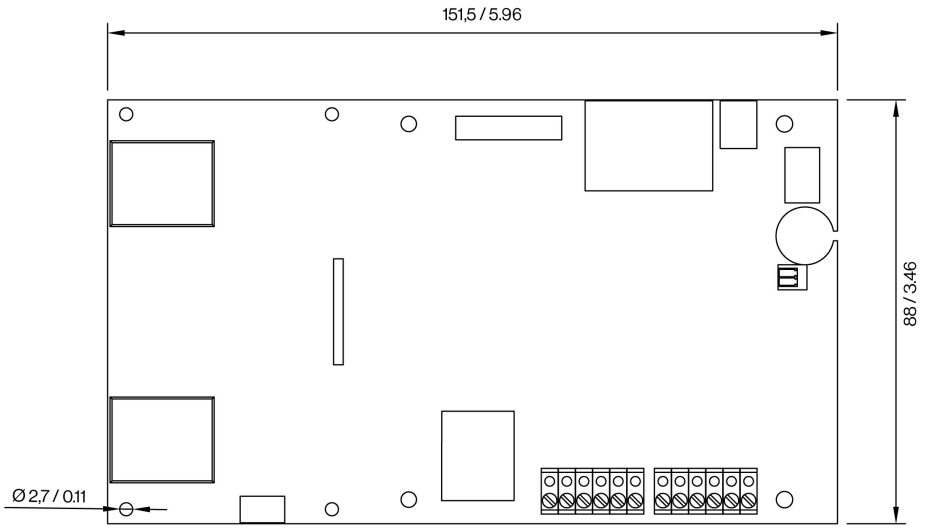
To provide maximum availability the station comes with advanced supervision functions. The station line test will detect if there is any faults in the network or station electronics. In addition the station supports tone test, testing the complete transmission path including microphone and speaker. The status of the stations is reported to AlphaWeb as well as to 3rd party management systems using SNMP, Syslog or OPC.

Technical Dimensions

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All dimensions in mm / in

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Specifications

GENERAL	
Dimensions (WxHxD)	88 x 152 x 20 mm
Weight	250 g
Temperature	-40˚C to +55˚C
Relative humidity	0% - 95%
Power	Power over Ethernet, IEEE 802.3 a-f, Class 0, Local 19-27 VDC power, Idle 4 W, max. 13 W (ext. amplifier), 6W power out to external units
Connectors	Ethernet: 2 x RJ45 10/100 Mbit/sec, Handset: R J11, Handset: R J11, Microphone: 3-pin plug (Electret, dynamic) Loudspeaker: Plugable screw terminal (1.5 W, 8 Ohm) 24 VDC in, 1 relay out: 6-pin plugable screw terminal LED, 3 inputs: 6-pin plugable screw terminal Gooseneck microphone: 3-pin IDC (Electret) Display: 20- pin ZIF, Keyboard: 18-pin ZIF + solder holes (Digits 0-9 + M and C, 10 DAK, 4 softkeys, volume control, backlight control) Audio out: 6-pin IDC (0 dB / 600 Ohm, 13 V power out) I2C bus: 6-pin mini (DAK modules, relay modules, +3.3 V power output)
Remote control, Max. switching capacity, Max. voltage relay, Max. current relay	3 digital inputs, 1 relay output and one logical output 30W DC, 60V DC, 1A DC
SIP	RFC 3261, SIP info (DTMF), RFC 2833 (DTMF)
IP protocols	IP v4 - TCP - UDP - HTTPS – TFTP - RTP - RTCP -DHCP - SNM P - DiffServ - TOS – Vingtor-Stentofon CC oIP® - SIP
LAN protocols	Power over Ethernet (IEEE 802.3 a-f), VLAN (IEEE 802.1pq)*, Network Access Control (IEEE 802.1x)*
Audio technology	Wideband 200 Hz - 7 kHz (G.722), Telephony 3.4kHz (G.711), Active noise filtering, Acoustic echo cancellation, Open duplex, Adaptive jitter filter, Volume override
Management and operations	HTTPS (Web configuration), DHCP and static IP , Remote automatic software upgrade, Centralized monitoring, Status LED
Advanced features	Dual port Ethernet switch, Support for external PA amplifier, Support for external smart PA amplifier with switching and status, Support for external display modules, Support for external I/O modules

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Compliance	CE and FCC Part 15
Warranty	2 Years standard warranty, extendible up to total of 5 years (additional fee)

Accessories



Display for IP master station board

Item Number: 1008099000

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