



ELCOM INNOVATIONS

AS 9100D COMPANY

IPT1001

VoIP Field Telephone

FUNCTIONALITY

IPT1001 is a lightweight, ruggedized, portable and advanced tactical VoIP phone.

APPLICATION

IPT1001 is a VoIP based voice communication terminal end point. It is a cost optimized solution for deploying as last-mile device over IP network. It provides Ethernet connectivity that can be utilized for accessing the tactical field networks through this unit.

- Voice and data services
- Rapid deployment field communication
- Infantry communications
- Tactical vehicular communication
- On board communication for ship/sub-marine
- Integrated switch for simultaneous connectivity of VoIP phone and PC

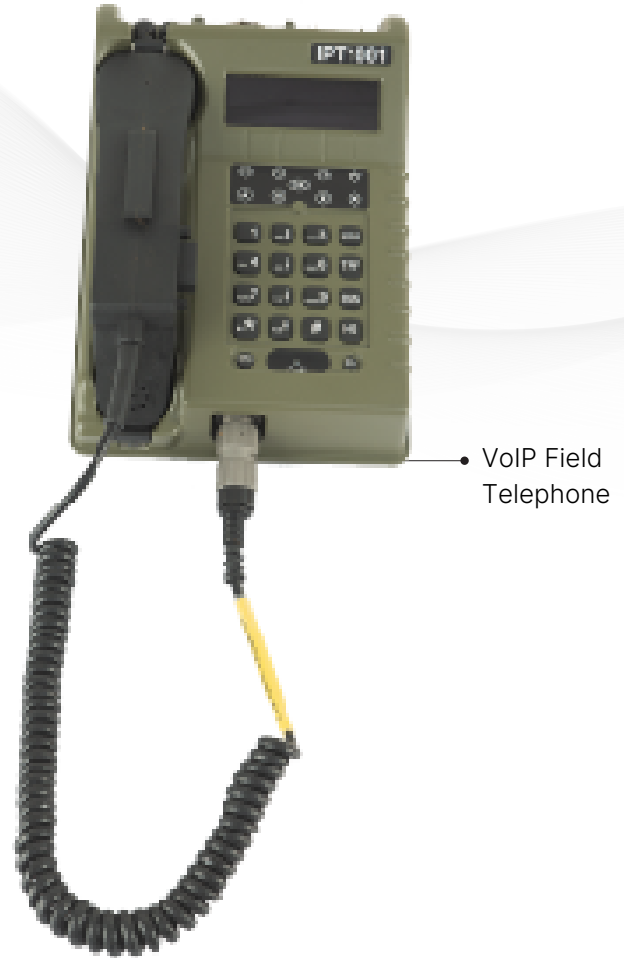
DESIGN

- In accordance with military requirements for use in a harsh environment
- H-350/U type handset, compatible with helmet
- Rugged, weather/waterproof
- Aluminium Dye cast metal housing to withstand extreme field conditions
- OLED alphanumeric display 4×20 for ease of operation and maintenance
- Run time BITE for diagnostic purpose



FEATURES

- Very low power consumption; powered through Power over Ethernet (PoE) / vehicular power (9 - 36 V DC)
- Dual line functionality
- Storage of up to 50 pre-defined directory numbers in memory
- Auto-provisioning over tftp/http/https.
- Easy to use push buttons with backlight
- 4 soft keys for feature operation
- Clock display with NTP synchronised clock.
- Remote maintenance through web user interface
- Wired Noise cancelling headset



CALL FEATURES

- Call Hold
- Call toggle
- Blind Transfer
- Attended Transfer
- Last number redial
- Caller-ID display with Name and Number
- Message waiting indication
- Lists of missed, received, and dialled calls with time stamping.

DESIGN PATENTS

- IPT1001 design patent No : 301290

SPECIFICATIONS

Interfaces

- WAN : 100Base-T Ethernet with PoE input.
- LAN : 100Base-T Ethernet.
- Handset / Headset : MIL Grade H-350/U Audio
- DC Input : Vehicular Power 9 – 36V DC

Technical Data

- Voice Codecs : G.711, G.723, G.729 A/B
- Networking Support : IPv4, TCP,UDP, ICMP,ARP
- VoIP Protocol Stacks : SIP 2.0 (RFC3261)
- Telephonic : Press To Talk (PTT)
- Security : TLSv1.2, SRTP, mTLS



Network Features

- WAN/ LAN : Support Bridge and Router model
- NAT Features : Basic NAT and NAPT
- IP Allocation : DHCP Client on WAN/Static
- VLAN : VLAN tagging
- Protocols : DNS Relay, NPT Client, TFTP, HTTP client, HTTPS client

Environmental Data

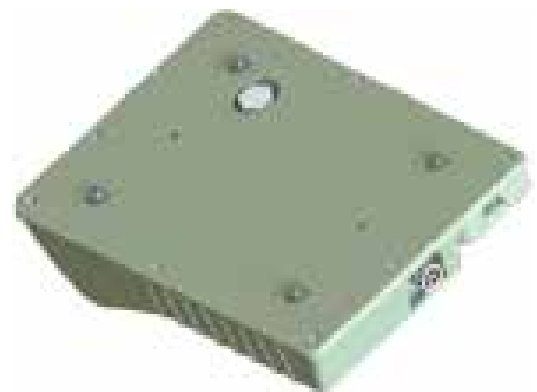
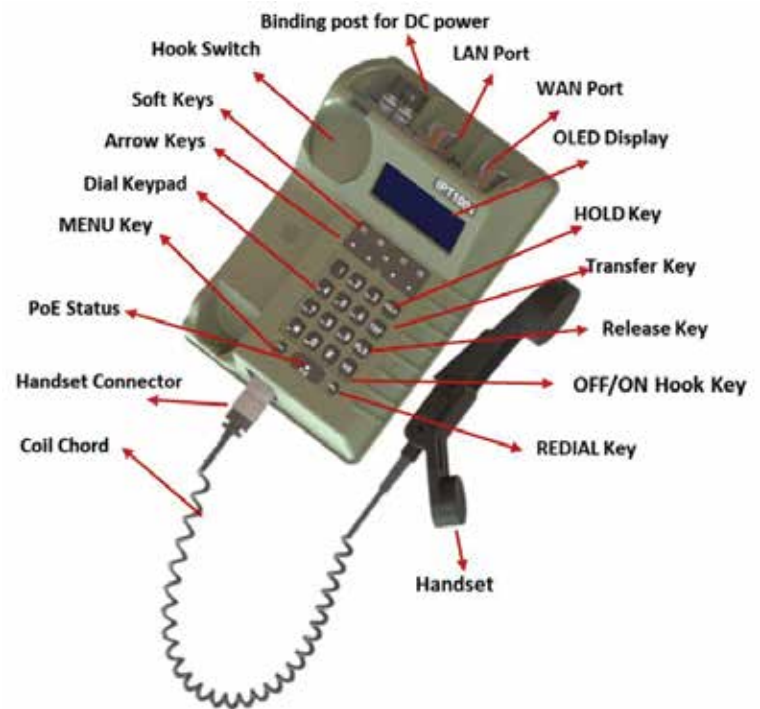
- Operating Temperature : -30°C to +55°C
- Storage Temperature : -40°C to +71°C
- Relative Humidity : 95 %(+30°C to +60°C)
- Waterproof : Immersion in 1m depth

References

- Temperature and mechanical stress : MIL-STD-810G
- EMI / EMC : MIL-STD-461E
- ESD : EN-61000-4-2
- Lightning : EN-61000-4-5

Reliability

- MTBF : > 80,000 hours



Bottom View

VoIP Field Telephone

This publication is not to be regarded as a complete system specification, or to be used as a contract document. We reserve the right to change the design or specifications without prior notice.