



DS200T TACTICAL IP COMMUNICATION SWITCH WITH CNR CAPABILITY

DS200T IS A TACTICAL IP COMMUNICATION SYSTEM FOR MILITARY APPLICATIONS. DS200T IS DESIGNED FOR FIELD USE AND SHOCK/WATERPROOF. THE SYSTEM PROVIDES IP/SIP FACILITIES FOR THE MILITARY OPERATIONS WITH ITS COMBAT NET RADIO CONNECTION CAPABILITY. DS200T SUPPORTS CO/PSTN LINES, ANALOG SUBSCRIBERS, E&M AND ISDN PRI/E1 INTERFACES.

Basic Features

- Capacity: 6 CO Lines, 12 Analog Extensions
- Modular expansion and adding features
- Standards supported: MIL-STD-810F, MIL-STD-910, MIL-STD-1399-070, MIL-STD-461E
- Operating conditions: -30°C/+70°C, %98 relative humidity

Architecture and Body

- Modular structure with 10 slots for interface modules
- Supporting 120 ports
- Functioning as a Local & Transit switch
- 1+1 Hot standby for CPU & PSU
- Compact architecture for portability
- Customized design for the front cover incorporating with rugged handset & headset
- Quickly deployable
- 22g shock and vibration proof
- Enhanced protection with safety gaskets & screws
- Ready for customization

User Interface

- Embedded console at the front cover with large graphical backlit display, backlit keypad, handset or headset attached to the cabinet
- User-friendly system administration interface (PC-Based)
- Connectivity to peripheral devices like Analog/ISDN terminals, answering machines, faxes & modems, GSM gateways and IP-DECT systems
- Net-Console for PC-based Operator / Agents

Interface Modules

- Analog lines with DTMF / FSK caller ID
- E&M (2W/4W) lines (Type I & V)
- TWT (Loop Disconnect(LD)) lines
- ISDN PRI, E1-R2-QSIG lines
- IP (SIP / H.323) trunks
- Digital (proprietary) extensions
- ISDN BRI extensions ("U" interface)
- Local Battery (Magneto) extensions
- IP (SIP) extensions
- Ethernet data ports: 10/100/1000 Base-T
- CNR interface for HF/VHF radios
- Auto attendant & Voice mail interface

IP Specifications and Networking

- Embedded IP capabilities
- SIP/H.323 enabled IP trunks & extensions.
- Optional media gateway
- Support for video calls
- Peer-to-peer interoperability
- Encryption for secure communication
- Ready for networking in chain or star topology and a combination of both.
- Networking over analog trunks (LD, E&M), digital trunks
- (PRI, E1-R2, QSIG) and IP (SIP/H.323 trunk)
- Feature transparency with QSIG
- Compatibility with any type of EPABXs, magneto exchanges

Extension and CMDR Services

- Account Coded Call — Forced or Unforced
- Auto Dial
- Busy Extension Signaling
- Automatic Call Back
- Call Forwarding
- Call Hold
- Call Park/Retrieve

- Call Pick-up
- Call Transfer
- Camp On
- Chief Secretary
- Three Way /Multi Party Conference
- Do not Disturb
- Emergency Extension
- Follow Me (Standard & Remote)
- Headset User
- Hot Line
- Intrusion
- Last Number Redial
- Line Access- Auto/Selective
- Line Flashing
- Line to Line Connection
- Line Drop
- Line Transfer
- Marked Call
- Parallel Extensions
- Password Lock/ Dialing
- Reminder Service
- Remote Line Access
- Speed Dial
- Voice Level Adjusting
- Night Guard Service
- Caller ID (Standard & by Name for Extension)
- Call Information Listing
- Call Report Level
- Polarity Reversal Detection

Technical Specifications

- Capacity: At most 120 ports
- Control - CPU200P: CPU 1Ghz, ARM A8 Processor, 1 GB RAM
- DRAM (256 Mbytes)
- Dialing Method: Dial Pulse (DP) 10 PPS.
- Multi-Frequency (DTMF) 140 msec
- Dialing conversions: DP - DTMF - E&M - DSS1- MFR2 - IP
- Speech Channels:224 MF Receiver
- Capacity: 19
- Connectors: Circular military connectors and extensions , copper E1,
- External connections: 2-wire standard telephones, 2-wire ISDN devices (NT devices)
- CRL(Call Record Listing): PC interface (LAN or stand-alone PC)

Compatible Standards

- Analog ports: TBR21, TBR38
- E1, DSS1, ITU.T 1411, CTR04, ITU.T G.703, Q.931, ETS 300 102
- ISDN BRI: ITU.TI411, CTR03, Q931, ETS 300 102
- Ethernet: IEEE 802.3, IEEE 802,1 MIL-STD 461 and MIL-STD 810 compatibility

Power

- Voltage: 90-265VAC
- Frequency: 47- 63 Hz
- Power consumption: 200W (500W Max)

Physical

- 167 mm x 447 mm x 461 mm
- Full system: 17 kg

KAREL