Telematics®

SMART COMMUNICATION
MADE SIMPLE

IP-TCX

Hybrid IP-PBX System

Analog + IP | Flexible | Reliable | Web Managed

A powerful hybrid communication platform that connects analog phones, IP phones, SIP trunks and PSTN lines in one intelligent, secure and easy-to-manage system.

ANALOG & IP EXTENSIONS
Up to 128 Analog Extensions
SIP Extensions Supported

ANALOG & SIP TRUNKS
Up to 8 Analog Trunks
SIP Trunks Supported

WEB-BASED MANAGEMENT
Simple, Secure & Powerful
Web Interface

SECURE & RELIABLE
Runs Fully Offline
Your Data, Your Control.

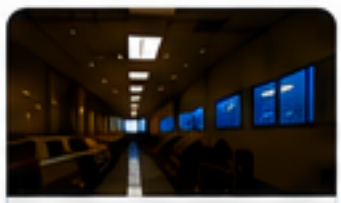


IVR Auto Attendant
Conference Rooms
Call Recording & CDR
Caller ID FSK/DTMF
Music on Hold
Call Transfer & Pickup
Time Based Routing
Backup Trunk Support

IDEAL COMMUNICATION SOLUTION FOR


OFFICES


SCHOOLS


HOSPITALS


HOTELS

IP-TCX HYBRID IP-PBX SYSTEM

Telematics®

TECHNICAL SPECIFICATIONS

Analog Extensions	128 (Analog Extensions)
Analog Trunks	8 (Analog Trunks)
SIP Extensions	70 (SIP Extensions)
SIP Trunks	30 Channels
AC Voltage	230V / 50Hz
Power Consumption	72W (Max.)
Ext. Voltage	28Vdc
Ringer Voltage	65Vac
Dimension	435 x 267 x 192 mm
Environment	0°C to +45°C, 20% to 80% Humidity

HIGHLIGHTS

- **Truly Hybrid – Analog + IP**
  Analog phones, IP phones, SIP trunks and PSTN lines in one system.
- **One Web Screen for Everything**
  Easy to manage, no external software.
- **Runs Fully Offline**
  No cloud dependency.
- **Hardware Based Call Tones**
  Dial tone, ring-back, busy, congestion generated in hardware.
- **Auto Detection of Cards & Ports**
  Only existing ports are shown.
- **Hot Swap Support**
  Line cards and trunk cards can be added or removed while running.
- **Advanced Call Handling**
  IVR, Conference, Pickup, Transfer, Recall, Speed Dial and more.
- **Robust Call Routing**
  Flexible routing with backup trunk and time-based rules.
- **Detailed Monitoring & Reports**
  Live call view, CDR, system logs and resource monitoring.
- **Secure System**
  User roles, SIP protection, HTTPS, SRTP and more.



IDEAL FOR


BUSINESSES


SCHOOLS


HOTELS


HOSPITALS


INDUSTRIES

KEY FEATURES

PHONES & EXTENSIONS

- Up to 128 Analog Extensions
- 70 SIP extensions & multiple devices
- Caller ID on analog phones
- Do Not Disturb (per extension)
- Call groups & pickup groups
- Busy Lamp (BLF)
- Call waiting (per extension)
- Duplicate number protection
- Enable / Disable extension

LINES & TRUNKS

- Up to 8 analog CO/FC lines
- Dial 0 for outside line (hunting)
- Direct line selection
- FSK/DTMF Caller ID
- Per-line caller ID format
- Per-line incoming destination
- Busy / congestion handling
- Redial on same line
- Line enable / disable

CALL HANDLING

- IVR / Auto Attendant
- Ring groups
- Conference rooms
- Announcements
- Call transfer (all types)
- Call pickup
- Call waiting
- Recall (Call back)
- Speed dial
- Music on hold
- Blacklist / Whitelist

RECORDING & REPORTS

- Call recording (on demand/auto)
- Flexible storage
- Recording browser
- Live call view (operator panel)
- Call history (CDR)
- Voicemail overview
- Event logs
- System logs

NETWORKING (BUILT-IN ROUTER)

- Gateway mode
- Internet (WAN)
- Built-in DHCP server (LAN side)
- Connected-device list
- Firewall
- Voice VLAN
- Safety confirmation
- Network diagnostics

SECURITY & ACCESS

- User roles
- Password resets
- Login protection
- Idle auto-logout
- SIP brute-force protection (SIPguard)
- Trusted / blocked address lists
- Secure web access (HTTPS)
- Encrypted phone connections (SRTP)

SYSTEM ADMINISTRATION

- Simple web interface
- General settings
- Date, time & NTP settings
- Scheduled auto restart
- Configuration snapshots
- Backup & restore
- Software update (upload)
- Factory reset from web

- Small & Medium Businesses
- Schools & Colleges
- Hospitals & Clinics
- Hotels & Resorts
- Retail Stores
- Industries & Offices

ONE SYSTEM
All Communication in One Box

MAXIMUM RELIABILITY
Built for Performance

TOTAL CONTROL
Your System, Your Rules