

FEATURES




- DISA Access & Announcement
- Authorization Assign
- Busy Call Pick Up
- Busy Extension Signaling
- Call Back, Call Hold, Call Park
- Call Forwarding, Call Transfer
- Call Records Listing
- Call Waiting
- Calling From Private & Shared Memory Pool
- Camp On
- Changing Password
- CLID
- Conference
- Discarding Third Party After Intrusion
- Do Not Disturb
- Door Opener
- Dropping the External Busy Line
- Erasing Entire Messages
- Executive-Secretary Service
- Extended Call Forward
- External Music
- Follow Me
- Group Call Pick Up
- Headset User
- Hot Line
- Intrusion
- Last Number Auto-dial & Redial
- Line Flash
- Line Voice Level Control
- Local Extension
- Malicious Call Identification
- Marked Call
- Night Mode
- Parallel Operator
- Password Dialing
- Permanent Absent Message
- Personal Asistant
- Recording Conversation
- Reminder Service
- Remote Forced Account Coded Call
- Retrieving a Call Parked Through Own Phone & Another Phone
- Retrieving a Parked Line
- Ringing Extension Group
- Ringing Tone on Busy
- Selective Call Pick Up
- Selective Line Access
- Telephone Lock
- Temporary Absent Message
- Time / Date Settings
- Total Cost Listing
- Voice Mail
 - Voice Mail Capabilities Through the DISA Line
 - Voice Mail Message Listen Authority
 - Voice Mail Message Protect Authority
 - Voice Mail Message Record Authority
 - Voice Mail Warning
 - Date/Time Info With Voice Mail
 - Leave Message
 - Listening to New Messages
 - Listening to Messages Remotely
 - Listening to the Messages Through the DISA Line
 - Send Voice Messages With E-Mail
- Wake-Up Service

Some Features are model Specific.

Few Features are available only on TDM Extensions.



TECHNICAL SPECIFICATIONS

	IPV10 	IPV 20 	IPV 50 
TDM Capacity	Max 4 Ports (FXO/FXS)	Max 16 Ports (FXO/FXS)	Max.56 Ports (FXO/FXS) Per Cabinet (Max 3 Cabinets, 168 Ports)
Capacity Expansion Options	Extension Card (0/2) Trunk Card (2/0) Combo Card (1/1)		Extension Card (0/4), (0/8) Trunk Card (0/4), (8/0) Digital Extension Card(0/8) Combo Card (2/2/4),(2/4), PRI Card (1 PRI) BRI Card (4 T)
IP Capacity (Max)	20 Ports (Ext + Trk) 8 channel MGW	40 Ports (Ext + Trk) 8 Channel MGW	100 Ports (Ext + Trk) 72 Channel MGW
Voice Mail	2 Channels Default – Expandable up to 8 Channels – 100 Min. Message Storage		
Call Recording Capacity	14 Hrs. Embedded		Interfaced with Central PC – Recording getting stored on PC HDD.
LAN	10/100 MBps		
VoIP	<ul style="list-style-type: none"> • Standard SIP (RFC3261, RFC 2833) • H.323 IP Subscriber/Trunk • SIP Info / Inband DTMF Detection & Generation 		<ul style="list-style-type: none"> • Inband PPPoE • DHCP / Static IP / VLAN
Codec Support	Audio : G.711 A / u-law, G.723, G.729 A / B, iLBC, T.38 (IP-FAX)* Video : H261, H263, H263p, H264		* Future
Environmental Conditions	0 - +40 degrees operating temperature, -20 - +65 degrees storage temperature 10% - 90% non-condensing humidity		
Dimension and Weight	193x153x30mm (7.6 x 6 x 1.2 inch) 500 Gr. (1.1 lb)	280x175x33mm (11 x 6.9 x 1.3 inch) 700 Gr (1.55 lb)	36.5x11x42 cm 6 Kg.
19" Rack Mountable Cabinet	No	No	Yes
Web based programming and Maintenance Console	Yes	Yes	Yes
CTI application with standard APIS (CSTA-XML, CCXML, VoiceXML, TAPI)	Yes	Yes	Yes



IPV Series IP PBX Solutions



Intellicon, an integrated technology solutions company functioning in the Enterprise Communication and Information Technology domains, is today regarded as an ideal partner for organizations looking at Transformational IT solutions. Intellicon's pan India presence, combined with its acknowledged capability to optimize its core capabilities across diverse technology platforms, fine human resource compliances and commitment to quality and support facilitates the delivery of best in class solutions resulting in complete customer delight. In an age of convergence Intellicon paces the future with an excellent performance paradigm.

Karel Electronics Corporation, a leading European telecommunication company is engaged in the design, development, production and marketing of all types of communication systems, control cards for industrial control equipments and military equipments. Karel has a strong and widening presence in the world market and is the market leader in the African and Middle East markets. Karel collaborates with reputed companies to develop projects for private and public companies offering optimized solutions to various industry verticals. Karel is present in India since year 2000 and enjoys significant market share in Government & SME segments.

Communication and Information Technology strategies must now be converged across all media types – not just data but also voice and video. Communication technologies (voice, email, instant messaging, SMS, IP telephony, Voicemail, video conferencing) and their underlying networks such as the Internet, broadband, Wi-Fi and 3G are the keys that drive many of these new strategies. These are supported by a vast range of desktop, mobile and handheld devices. Although technology is an enabler for organizational improvement, the real challenge facing business is to embrace and harness the potential benefits of the technology available. The technology must give practical, easy to use support and not added extra complexity. It must be available to and used by everyone, not just isolated islands within the business. And it must empower individuals and teams, enabling them to achieve their business objectives.

KAREL's feature-rich IPV Series solutions provide a comprehensive approach to resolving communication overload. KAREL IPV Series solutions provide a scalable, secure approach to communications that is both consistent and manageable. KAREL IPV Series solutions are built upon proven platforms and industry standard applications to offer powerful, low cost options for business continuity issues and to remove communication bottlenecks by providing constant access to employees. KAREL's IPV Series enables people to connect with one another while lowering the Total Cost of Ownership (TCO) with productivity applications.

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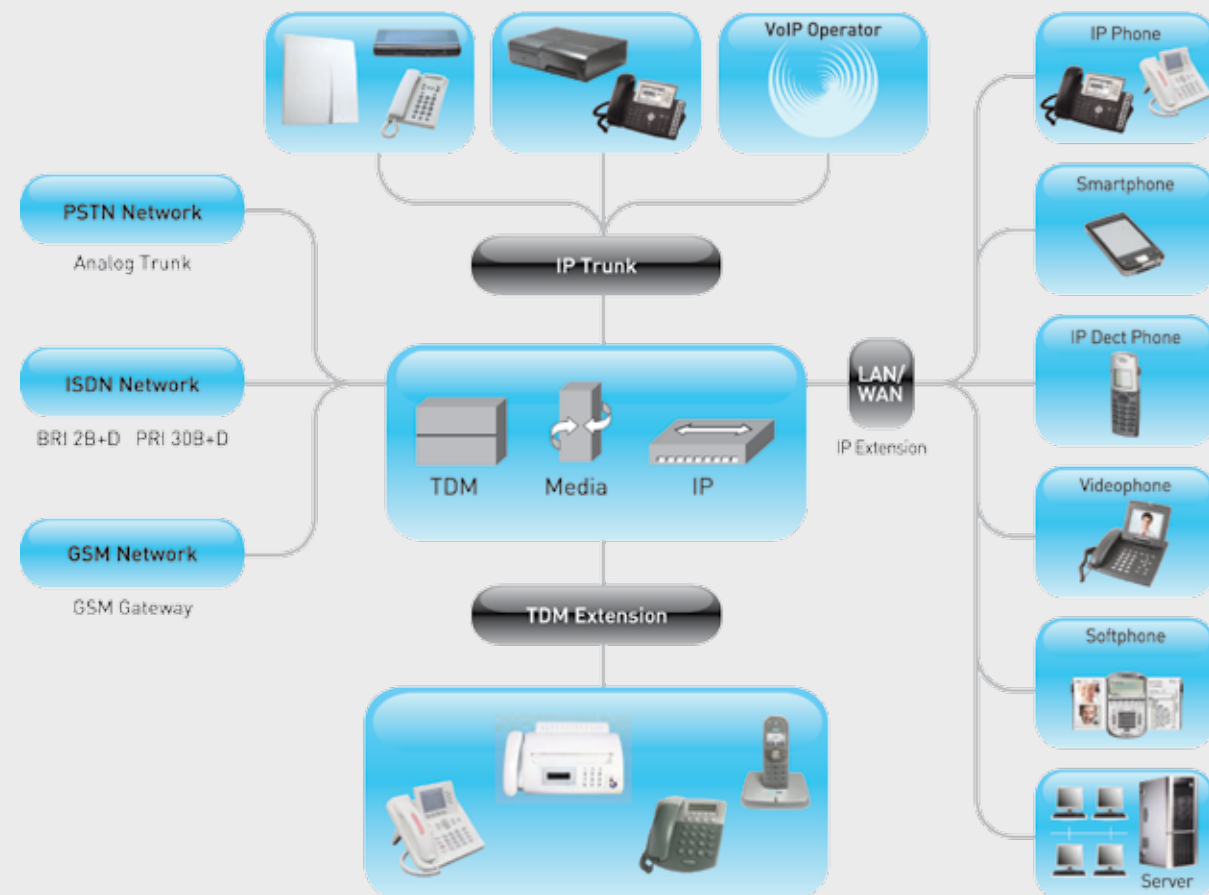
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KAREL IPV SERIES : IP PBX SOLUTION

KAREL IPV Series PBX Systems are designed to meet all communication needs of small and mid-sized enterprises. It is a new generation IP PBX for monitoring and managing data, video and audio traffic from a single platform. System presents rich user services and assorted accessories with its user and environment friendly communication infrastructure.

Karel IPV Series IP PBX has abundance of user features to enable you to fulfill your daily communications needs effectively and easily. All these features can be utilized with any standard phone or any KAREL Digital Phone* that is specifically developed for IPV series. Furthermore it is also possible to connect peripheral units such as desktop IP phones, soft-phones, videophones, mobile phones with VoIP support, IP DECT Systems, analog & digital phones, analog & ISDN FCT devices, Fax machines, answering machines, data terminals, modems and serial printers to IPV series.



* Digital Phone is supported by IPV - 50 only.

Increased Productivity

- Fully Featured
- Value added Applications
- Mobility

Reduce Operating Cost

- Converged Network
- Server based Architecture
- Central Management
- Distributed Office

Manage Growth

- Scalable Architecture
- Migration & Networking
- Open Interfaces

Green Initiatives

- Lower Power Consumption
- RoHS Compliant System
- Reduced Air-Con Requirements
- Recyclable Material & Components

Improved Business Continuity

- High Availability
- Voice Quality
- Security

Investment Protection

- Integration with Existing System
- Easy Migration to IP
- Scalable Architecture
- Common Terminals / Handsets

UNIFIED COMMUNICATION

Unified Structure

Karel IPV Series PBX Systems present the advantage of unified structure and extensibility in which more than one PBX as well as IP-Gateways operate as a single seamless structure. The system runs on Linux and supports open software architecture with TAPI and CSTA support. Hence, while many of the applications are already present in the system, additional applications such as Call Center, Voice Loggers, IVR etc can also be integrated into the system.



support, Softphones, IP DECT, WiFi phones from any point as an in-house extension of the system as a part of single numbering plan.

The system also supports fixed and mobile communication convergence solution via mobile extension applications on smart mobile phones. Since Smart Mobile with VoIP support can be defined as an extension to the system, users of these phones can access entire network and gateways, make and receive calls, listen to their voicemail messages and utilize all the services provided to other IP extensions over 3G, WiFi and XDSL connections.

Unified Messaging

Voice messages, call records and system fault notifications can be forwarded to predefined email addresses with the aid of embedded voicemail and email applications. In this way, it is possible to access requested data and voicemails from any location.

Presence

The user's availability and active/passive information can be viewed depending on the personal text entry. Accordingly, it is possible to have access to the related person in the fastest and most suitable way. All extensions of system can easily monitor each other's availability.



Remote Office Applications

Companies spread across multiple locations can really benefit with this facility as remote offices can be part of PBX installed at the main office i.e. extensions of main office PBX can be extended over internet to remote offices without any additional hardware. Any IP device such as IP Phone, Softphone, WiFi Phone, IP DECT Phone or Smart Mobile Phone with VoIP support can be used as an extension and users can call across the network over IP seamlessly.

Mobility

Karel IPV series users can communicate over extension numbers independent of their location. Communication can be established over IP HW and software products, such as Smart Phones with VoIP

Instant Messaging

Users can exchange messages among themselves and therefore communication is made instantly.

HIGHLIGHTS

Audio Quality and Security

HD Audio Quality : Thanks to powerful audio algorithms in the software, users using HD terminals will experience excellent audio quality which is far beyond expectations and competition.

Uninterrupted VoIP Communication and Stable Audio Quality : The system ensures audio quality and communication continuity as it has a capability to detect package losses and divert the communication to alternate route such as PSTN until satisfactory quality is obtained. Alternative route definition can be done according to VoIP connection at trunks or Quality of Service (QoS) or both.

QoS Support : The system monitors the performance on the network and takes necessary precautions for the continuity of audio quality. This is extremely useful where infrastructure is shared for voice, video and data applications lowering cost of investment.

Top-level Security in Communication with Encryption : This is ensured with standard sRTP/TLS encryption support without the need to install VPN systems between locations.

Video Call

All IP extensions connected to IP PBX can make video calls between themselves or through external IP lines using videophones, special sets or soft phones.

Peripheral Flexibility

IPV series supports SIP on the extension side and SIP & H323 on the trunk side. Thus it provides the flexibility to connect to systems that support these standards and use different peripherals.

Call Recording Facility

The automatic voice-recording feature integrated into the system will record calls of desired ports without needing additional equipment. These calls can be sent to users or administrator as required by email. At the same time, users can record their calls by marking them while they are talking and receive the recording as an email at the end of the call. The management of call records is simple and access to records is possible from anywhere with an internet connection.

Conference

The system supports four conferences of 4 parties each. The feature helps to reduce the cost and time spent for meeting with people at remote locations.

Auto Attendant and Voicemail Applications

The system offers enhanced Auto Attendant & Voice Mail services with greetings and service messages offered to callers as well as allowing caller to leave messages which can also be forwarded to email address of the extensions making it accessible from anywhere with internet connection.

It is also possible to divert the calls to the mailbox of the operator and the voice mail along with the calling number can be sent to the operator by email for any predefined period of time.

The application can be managed remotely over the web based PBX management interface and all settings as well as uploads can be performed remotely. The language of system messages and current message records can be changed and a new language can be added for messages.

Web Based Management

The system comes with a manageable web server which reduces support & maintenance costs. Also fixed or mobile extensions may connect to the "Personal Assistant" web interface with their own user code which has an assigned authorisation level either as user, operator or administrator along with their passwords. They can change the parameters, personal divert settings, voicemail settings and their own private phonebooks as per their authorization levels.

IP Facsimile Support

High Quality facsimile communication can be executed over the IP lines with T.38 Fax-over-IP support.

Least Cost Routing (LCR)

Provides economy on communication with flexible and extension based programmable LCR feature.

Call Detail Recording (CDR)

Call details can be recorded and then monitored via IntelliCAS - Call Accounting Software. With these features, the system allows you to trace the voice traffic of your organization and try to find economical solutions.

Central Phonebook

1,000 phone numbers can be stored in the memory of IPV system. The use of system memory can be restricted or allowed for each and every extension.

RESIDENTIAL INTEGRATED SOLUTION

Advantages

- Karel PBX at the centre
- Call waiting
- Free calls to other House units
- Easy IP Installation
- Supports SOHO Surveillance and Home Automation
- Compatible with:
 - Analog Telephone PBX
 - Analog Surveillance Systems
- Supports all SIP videophone systems
- Economical Solution for video and audio communication
- Any IP phone anywhere in the world can call the house unit
- Easy cabling

