Model: *i*p@Core1001™
Next Generation IP-PBX

The state-of-the-art multi-interface IP-PBX is designed to streamline the work of administrators and end users within an IP network. The built-in unique capabilities of *i*p@Core1001™ systems are transforming the way people work. The system integrates features such as video conferencing, mobility and interface to next generation telecom networks into a single easy-to-use IP PBX solution. *i*p@Core1001™ phone systems help boost productivity and reduce costs by use of least cost routing over IP/PSTN/GSM networks.

*i*p@Core1001™ offers connectivity to all legacy and next generation telecom networks right from POTS, PSTN, ISDN, E1/PRI to GSM to IP, in a single box. Available in two variants of 1U and 2U cabinet sizes, it provides easy migration from legacy systems to current and new-age IP based infrastructure. Innovative, reliable and scalable, the *i*p@Core1001™ system integrates voice, video and are loaded with business-enhancing features such as Unified Communications with integrated Voice Mail, Contact Center.

Application
- The equipment is designed to meet modern communication needs of enterprises and multi location corporate offices.
- It can seamlessly integrate with existing telecom backbones and next generation networks

Functionality
- Supports inbuilt PRI and VoIP along with 4 FXO, 4 digital subscribers and 16 FXS ports, as basic configuration. It also provides an additional universal slot for expansion. It has an in-built auto attendant and voice mail on the same platform.
- Supports up to 128 in-built IP Devices
- 100% non blocking architecture for assured connectivity.
- Field upgradable from 16 subscribers to 192 subscribers by addition of a plug in cards
- Easy integration with Property Management Solutions and Call Accounting Systems.
- Provides a standard set of subscriber features with Caller ID display (with name)
- Built-in auto attendant with voice guidance for operator less operations.
- Supports Mobile Telephony

- Multi party conferencing features.
- Use of industrial grade components for very high MTBF.
- Low power consumption by use of high efficiency power circuit and control circuits.
- Built-in SIP server for VoIP calls.
- Programming and control from a Windows PC.
- Protection against transients on each line.
- Compact, light weight and standard 19 inch rack mountable cabinet.
- User friendly Graphical User Interface (GUI) for system management
- Feature rich Automatic Call Distribution (ACD)
- Can inter-work with IP networks supporting IPv4 as per IETF RFC 791 as well IPv6 as per IETF RFC 2460
- IPV6 Core IP product platform under certification from TEC, India

$ip@\mathrm{Core}1001^{TM}$: Next Generation IP-PBX

Specifications

System and Maintenance

Field upgradable by use of add on board

Internal and external memory backup of call details and programming

Built-in protection on all ports

User friendly Graphical User Interface for system programming

Acoustic and display reporting of alarms

Subscriber Services

Auto Call Back	Hotline
Call Forward	Call Pick-up
Call Hold and Transfer	Conferencing
Do-Not-Disturb	Call Barring
Abbreviated Dialling	ISDN services
Direct inward Dialling	ACD
Voice Mail System	Video Call
CLI based routing	Auto Redial
Call Budgeting	CUG
Call details records	Boss Group

Interfaces and options*
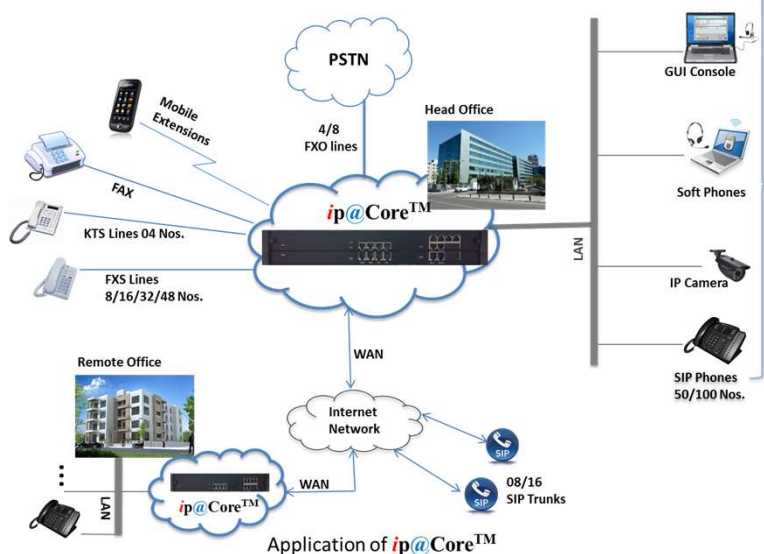
Analogue Trunk Lines: 04 Nos.

Analogue Subscribers: 16/32/48 Nos.

ISDN PRI: 01 No. (on board)

IP Trunks: up to 128 Nos. (programmable)

IP Subscribers: up to 128 Nos. (programmable)

KTS Subscribers: 04 Nos.

*GSM/3G Trunks : 02/04 Nos.

Protocols

DTMF and Loop Dial	HTTP	SIP
ISDN / QSIG	NTP	UDP
Q931	RTP	SDP
TCP/IP	FTP	PHP

PC based Operator Console

Call assistance and call control

Intrusion possibilities

On line busy status of ports

Application of $ip@\mathrm{Core}^{TM}$

VoIP Phone

132x64 Graphical display

12 nos. of speed dial keys with busy lamp

High fidelity speakerphone

Digital Key Phone

2x16 Character LCD display

12/24 nos. of DSS keys with status LED

10 Nos. of feature function keys

Power Supply

AC operation	90 - 265V AC
DC operation	36V – 60V DC
Power consumption	1.0 W / Line

Options

Digital Key Phone

PC based operator console

VoIP Telephone

Soft phones

Environmental Data

Operating Temp.	0ºC to +40ºC
Relative humidity	0 - 90 %

Dimension / Weight

Height	1U (44.45 mm)	2U (88.9mm)
Width	483 mm	483 mm
Depth	350 mm	350 mm
Weight	< 6 kg	< 12 kg

Digital Key Phone

VoIP Phone

PC/Laptop Operator Console

Soft Phone