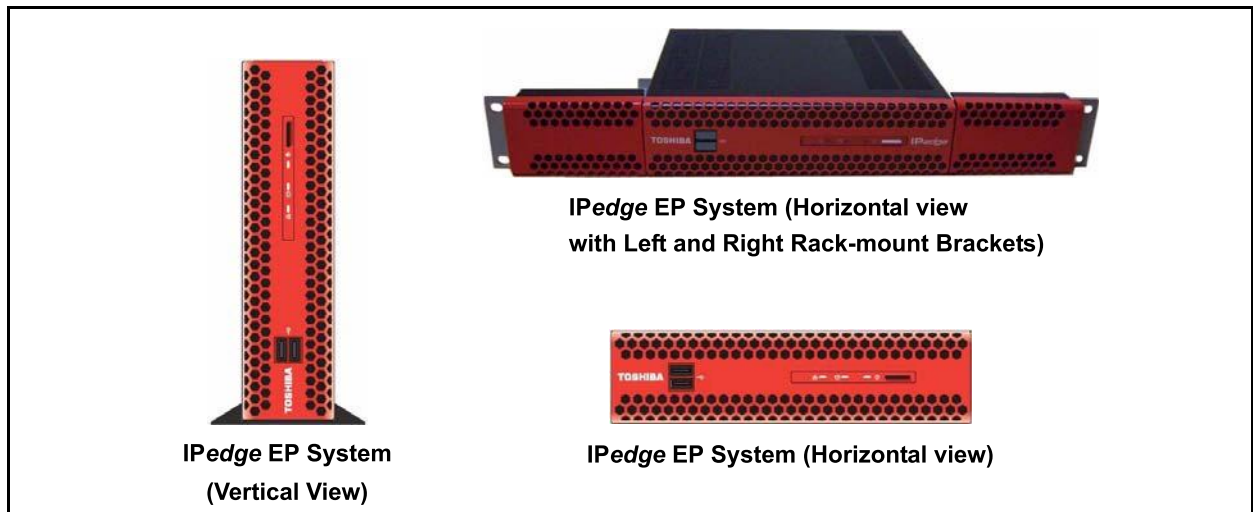


Introducing Toshiba's IPedge EP Server

Toshiba is proud to announce the release of the IPedge EP system as the newest member of the IPedge family of pure IP systems. The IPedge EP system delivers big-company features at an affordable price for small businesses and branch locations. Like the other IPedge systems, the IPedge EP system performs call processing, voice mail, unified messaging, and media processing which includes conferencing and paging, centralized management, Call Manager unified communications, and more. IPedge EP system uses Red Hat® Enterprise Linux® 5.4 operating system that provides a high level of scalability and security.

The IPedge EP system (shown below) is easy to install. The IPedge EP system supports applications for up to 40 users.

The IPedge EP system can be set on a shelf or table horizontally or vertically using an optional base (shown below). It can also be installed on a standard 19" rack using the optional rack-mount kit.



IPedge EP system can also connect to a MAS or MicroMAS to run ACD and TASKE, and it can connect to uMobility and other external applications.

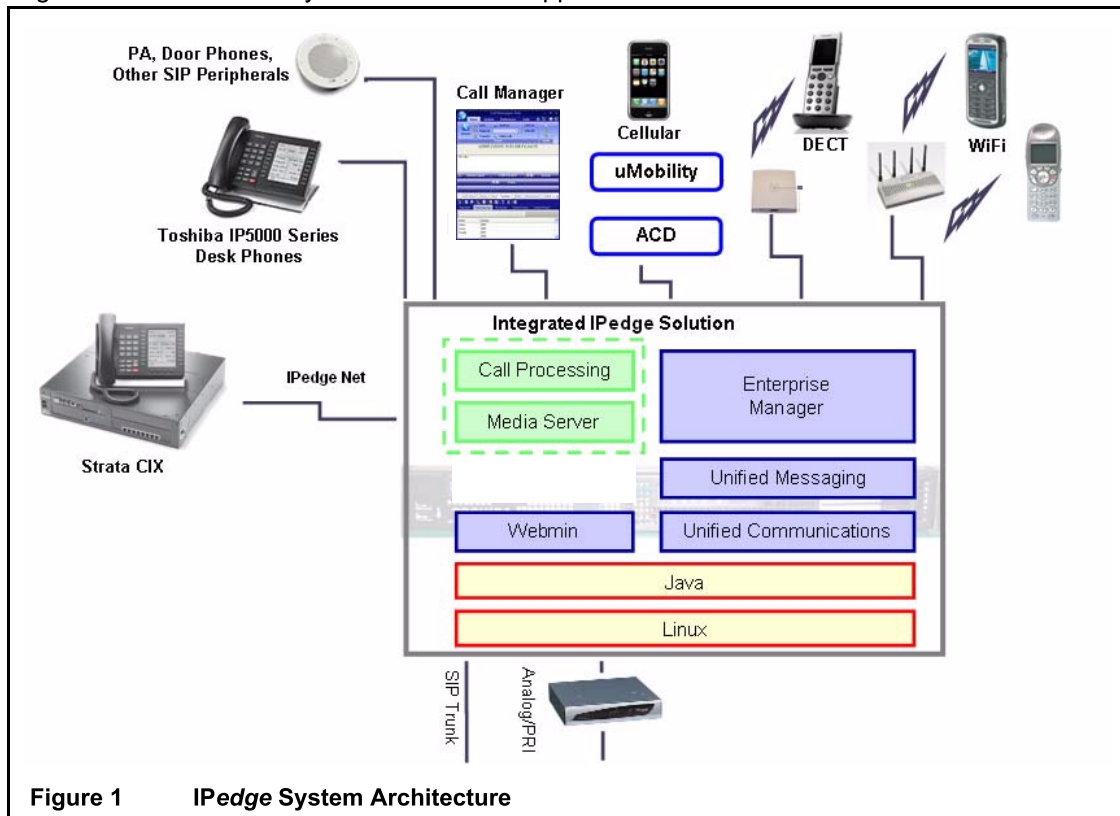
Networking between IPedge servers and/or Strata® CIX™ systems is enabled via IPedge Net using one IP address.

IPedge EP Server Basic Characteristics

- Stand alone or 19" Rackmount
- Height 2.362 in. (60 mm), Width 9.25 in. (235 mm), Depth 8.12 in. 208.5 mm)
- 1 x Atom Dual Core x 1.80 GHz Processor, 4GB DRAM
- 250GB HDD
- Supports 8 to 40 Users

Description

Toshiba's IPedge EP server is an all IP system designed for ease of installation, use and maintenance. It integrates all the necessary customer centric applications as shown below.



System Configurations

A stand alone system is a individual IPedge server.

An enterprise network system is two or more nodes, at a single site or multiple sites. Each node is an individual IPedge server. The nodes are connected by a wide area network. Each enterprise network system has one primary node and one or more member nodes.

- The Primary node manages the centralize database, sends commands and directs database backup and restore functions via this network.
- The Member nodes are managed by Enterprise Manager in the primary node. This allows centralized administration and the consolidated, system-wide single page database view. The nodes can be connected via IPedge Net for call processing transparency.

Note that a member node will continue to process calls if communication with primary node fails.

IPedge Solutions

On a single server, IPedge provides the following:

- Call Processing – IPedge provides the basic and advanced call processing features with a single IP interface.
- Voice Mail / Unified Messaging – Voicemail is built in and can be configured as either a single centralized voicemail system for the entire enterprise or as a distributed voicemail system for each site.
- Unified Communications - Unified Communications is built in. IPedge includes Call Manager Standard for every user which provides call control features from a PC. The optional Call Manager Advanced upgrade includes Chat, Presence, Contacts and more.
 - Existing users of the powerful Call Manager (CM) will continue to enjoy all the features of the CM in the new IPedge Call Manager. The smart installation procedure will install CM or SCM based on which system the client connects to.
- Centralized Management for Multiple Sites – The Enterprise Manager resides on the IPedge Server and enables an administrator to manage all trunks and stations in all the servers of the enterprise, using one consolidated view. From one central location, the administrator can backup and restore configurations of all sites, and update the firmware on any or all phones in the enterprise. The centralized access to an enterprise system is through the IPedge enterprise system primary node. The EP server can be a member node of an enterprise system where an EC or EM server is the primary.

In addition to the above, the IPedge server can connect to a separate MAS or MicroMAS server to include:

- ACD, Networked ACD (ACD + Unifier), and Call Center Reporting (TASKE or Insight)
- uMobility™

The IPedge EP server can connect to a Luca or Lucas server to include Meet-me conferencing.

Selling Advantages

The key selling advantages of the IPedge EP are as follows:

- Designed for the small business owner or branch office
- Small form factor - can be part of a rack or can be used stand alone and occupies minimum space
- Same features and operations as the other models in the IPedge product family - minimum to no retraining when migrating to other IPedge products
- Runs multiple communication applications
 - Call processing
 - Voice mail
 - Unified messaging
 - Call Manager unified communications with Presence, IM, call control from PC, CRM screen-pop integration, outbound dialing from any application, electronic document launch
 - Enterprise Manager web-based centralized system administration is integrated with browser access from your PC
 - Simplifies and integrates multiple forms of communications to optimize business processes
- Leverage server-based technologies
 - Survivability within or across the network providing business continuity when there is a hardware or network failure, and by allowing IP telephones to fail over to an active server at another location
 - Expanded memory and Ethernet capacity to allow for multiple advanced applications
- LINUX Operating System
- Session Initiation Protocol (SIP)
 - Open interface to external devices and applications.
 - SIP based gateways are available to connect IPedge to analog and digital interfaces (FXS/FXO/T1/PRI).
 - Gateways are not required for SIP trunking.
 - A variety of SIP endpoints are available for specific needs including wireless, smartphone, door phone, paging, etc.
- NAT Traversal allows VoIP calls to take place easily while each telephone device and the telephone system are all safely behind firewalls.
- Ease of installation and administration using Enterprise Manager
 - Administration application is built into the system
 - Administration is accessed by web browser
 - Centralized management of all locations, saving time, providing consistency, and eliminating potential mistakes.
 - One administration interface manages call processing, messaging, call manager and other applications, enabling quick setup with less labor and training required

Features

Below is a list of Call Processing, Messaging, Call Manager and Meeting features.

Call Processing Features		
Account Codes	Transfer (Unscreened)	Flexible Line Ringing
Verified /Non-verified Account Codes	Transfer to Voice Mail	Flexible Numbering
Forced Account Codes	Call Waiting	Coordinated Numbering Plan
Add-on Module (ADM)	Caller Identification	Handsfree Answerback
Advisory Messages	Camp on	Headset
Alarm Notification	Automatic Camp On	Hearing Aid Compatible
Alternate Answer Point	Off-hook Camp On	High Call Volume Buttons
Automatic Busy Redial	Camp On Busy	Hold
Automatic Call Distribution (ACD) Server	Cancel Button	Automatic Hold
Basic ACD Features	Classes of Service (COS)	Call Hold
Enhanced ACD Features	Conference Calls	Consultation Hold
Web-based Contact Center	Conference On-Hold	Exclusive Hold
Automatic Callback (ACB)	Join Button	Hold Recall
Automatic Line Selection (ALS)	Split/Join/Drop	Hot Dialing
Background Music (BGM)	Voice Mail Conference	Hot Desking/IP User Mobility
Call Completion	Credit Card Calling	Hotline Service
Call Forward	Day/Night Mode	IPedge Net
System Call Forward	Dial Directory	Line Buttons
Station Call Forward	Direct Inward Dialing (DID)	Pooled CO Line Button
Call History	Dialed Number Identification Service (DNIS)	Group CO Line Button
Call Park	Directory Numbers	Live System Programming
Call Park Orbits	Primary [DN] Buttons	Message Waiting
Park and Page	Phantom [DN] Buttons	Music/Messaging on Hold
Call Pickup	Pilot [DN]	Multiple Call/Delayed Ringing
Group Pickup	Direct Station Selection (DSS)	Off-Hook Call Announce (OCA)
Ringling, Page or Held Call Pickup	Distinctive LED Indicator	Override
(Sheet 1 of 2)		

Call Processing Features (continued)		
Call Transfer	Distinctive Ringing	Class Of Service Override
Music or Ringing Option	Do Not Disturb (DND)	Do Not Disturb (DND) Override
Transfer with Camp On	Emergency Call	Executive Override
Transfer Immediate	Enhanced 911 (E911)	Privacy Override
Transfer Privacy	Emergency Ringdown	Paging
Transfer (Screened)	Feature Prompting with Soft Keys	Telephone Group Paging
Emergency Page	Serial Hunting	Backup and Restore
Power Failure Protection	Circular Hunting	Maintenance and Administration
Privacy	Distributed Hunting	Software Upgrade
Privacy Override	Camp on to Hunt Groups	Tenant Services
Remote Update	Station Message Detail Recording (SMDR)	Traffic Measurement
Repeat Last Number Dialed	Survivability	Traffic Reports
Ringling	System Fault Finding and Diagnostics	Uniform Call Distribution
Ring Over Busy	Alarm Indication of System Faults	Unified Communications
Ringling Cadence	Fault Detection and Error Logs	VLAN Tagging
Speed Dial	Event and System Administration Logs	Voice or Tone Signaling
One Touch Buttons	Automatic Fault Recovery	Volume Control
Station Hunting		
(Sheet 2 of 2)		

Messaging Features		
Automated Attendant	First-time User Tutorial (Mailbox Set-up)	Messaging as a POP Server
Departments	Forward/Rewind	Multi-site Networking
Department Partitioning	Future Delivery	VPIM
Departmental Time Zone	Hospitality Mailbox	Administration
Directory Assistance	Mailbox Owner Language Selection	Callout Length
Do Not Disturb	Mailbox Time Zone	Class of Service (COS)
Follow-Me	Message Call Back	Housekeeping
Follow-Me Connect Verification	Message Cascading	Import Data
Follow-Me Record to Mailbox	Message Delete Confirmation	Mailbox Mapping
Follow-Me Transfer Back	Message Waiting Indication	Mailbox Password
Holiday/Date-Based Greeting	Notification of Non-Receipt	Mailbox Role
No Response Destination	Octel® Prompt Emulation	Mailbox Search
Operation Mode	Park and Page	Mailbox Status
Simple Single-Digit Dialing	Pause Message	Mailbox Swap
Time of Day Greeting	Personal Assistant	Mailbox Transfer
Voice Messaging	Personal Automated Attendant	Maximum Greeting Length
Ad-Hoc Groups	Play New Messages Automatically	Maximum Message Length
Archive Mailbox	Priority Message	Maximum Messages
Automatic Message Copy	Programmable Menu Time out	Maximum Silence Timer
Call Queuing	Redirecting Messages	Message Playback Order
Call Record to Voice Mail	Retrieve a Deleted Message	Minimum Message Length
Call Screening	Return Receipt	Push Mailbox
Caller ID (CID) Routing	Review Saved Messages	Quick Glance
Cancel Operation	Speed Control	System Backup
Change Message Time	Soft Key Control of Voice Mail	System Monitor
Check Message Count	Subscriber's Menu	Transfer Supervision
Codec Support	System and Department Language Selection	Variable Password Length
Confidential Message	Variable Extension Length	Web Controller
(Sheet 1 of 2)		

Messaging Features (continued)		
Delete from Subscriber's Mailbox	Variable Mailbox Length	Reporting
Direct Transfer to Voice Mailbox	Volume Control	Full Report
Distribution Groups	Wake-Up Call	Mailbox List
End Recording Key	Unified Messaging	Mailbox Usage by Date
Envelope Information	Integration with Email Clients	Mailbox Usage Daily
External Message Notification	Messaging as an IMAP Server	Message by Mailbox
Message Activity	System Hourly Statistics	Limited Password Entry Attempts
Outbound calls	System Statistics	Mailbox Lock and Administrator Notification
Port Statistics	Unattended Mailboxes	Secure Authentication for Outgoing Email
Scripts	Security	
System Group List	Limited Dial-Out Digits	
(Sheet 2 of 2)		

Call Manager Features		
Companion Applications	Action Variables	History
Screen Colors	Personal Call Handler	ACD Viewer
Using Call Manager Features	Creating Personal Call Handling Rules	Chat
Call Handling Features	Like Matches	Dialer
Call Center Features	Unlike Matches	Presence
Preferences	Export Rules	Web Browser
Config Settings	Importing Rules	Viewing Service Reports
Setting Up Hot Key Dialing and Popup	Using Microsoft Outlook	Listening to a Recorded Conference
Tab Settings	Dialing from within Outlook	Viewing a Conference Log
Buttons	Incoming Calls	Managing Your Profile
Programmable Buttons	While on a Call	Managing Your Profile
User Programmable Keys	Integrating with Outlook Calendar	Online Help
Actions	Using Companion Applications	
Creating Actions	Contacts	

Operating Environment

- Operating Temperature: 50°F to 95°F; 10°C to 35°C
- Operating Humidity: 8% to 90% (non condensing)
- Storage Temperature: -4°F to 140°F; -20 ~ +60°C
- Power: 100 ~ 240 VAC; 50 ~ 60 Hz
 - In-rush: 10 Amp
 - Peak Load: 0.4 Amp
- Heat: 106 BTU per hour

UPS RECOMMENDATIONS

Toshiba recommends an Uninterruptible Power Supply (UPS) with power conditioning for the IPedge server. The recommended UPS from ONEAC are shown in the table below. The UPS shown in the table include power conditioning. If you already have a UPS in place Toshiba recommends that you install a power conditioner (P/N PC075A-S2S).

IPedge EP Server UPS				
30 Minutes	1 Hour	2 Hours	4 Hours	8 Hours
ONE254AG-SE	ONE254AG-SE	ONE604AG-SE	ONE300XAU-W-SV1	ONE300XAU-W-SV1

Software

The following software is included and installed on the IPedge server:

- Linux Operating System
- Java®, Apache TomCat®, MySQL® platform software
- IPedge Core (Call Processing, Media Server)
- Voicemail / Unified Messaging
- Net Server / Unified Communications (Call Manager)
- Enterprise Manager / Web-based administration

Deployment

The administration software, Enterprise Manager is built into the platform which reduces installation time. The Enterprise Manager can be securely accessed from any PC with a web-browser. The administrator can view all the servers and all stations connected to each server in the enterprise in one consolidated view which aids in planning the numbering scheme. The consolidated view of an enterprise system is through the IPedge enterprise system primary node. The EP server can be a member node of an enterprise system where an EC or EM server is the primary.

A single IP Address is required for IPedge Net routing configuration. IPedge Net configuration is improved with the use of “Quick Access Guides” to all the programs required to configure IPedge Net. It guides the administrator step-by-step through the configuration.

Administration

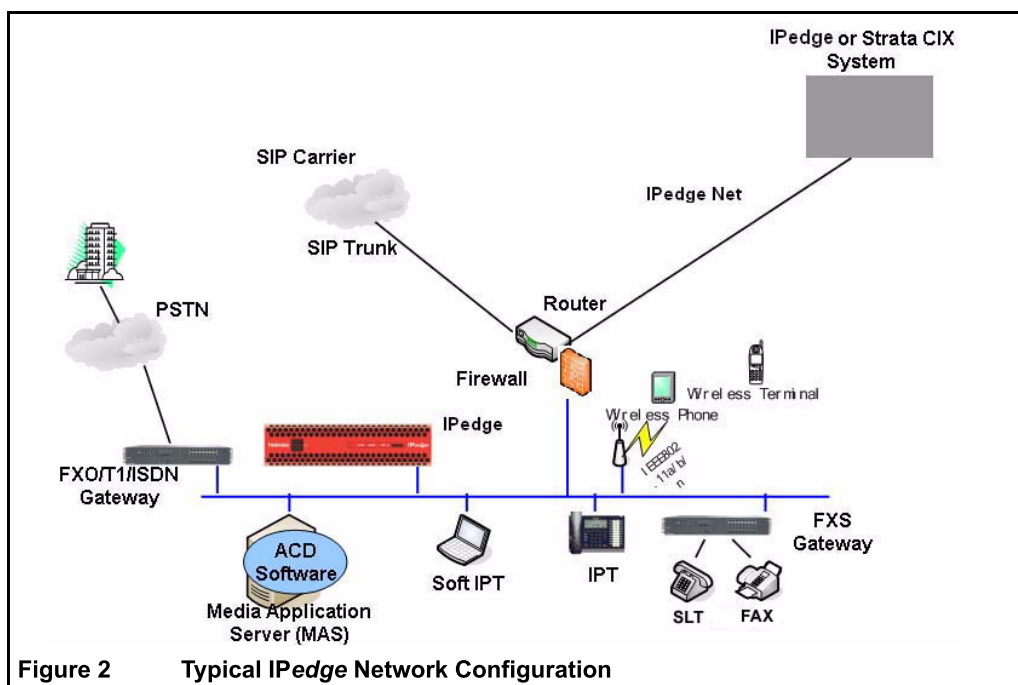
IPedge Enterprise Manager provides a web interface for users to configure data, manage, control and maintain all components of these applications, and to coordinate the configuration of all IPedge Solutions in an Enterprise System. The system can be administered remotely over the Internet. No administration application is required on the user's PC.

In a networked multi-site system, all nodes are administered through a single location which provides centralized administration and database backup for the entire system. The centralized access to an enterprise system through the IPedge enterprise system primary node. The EP server can be a member node of the enterprise system where an EC or EM server is the primary.

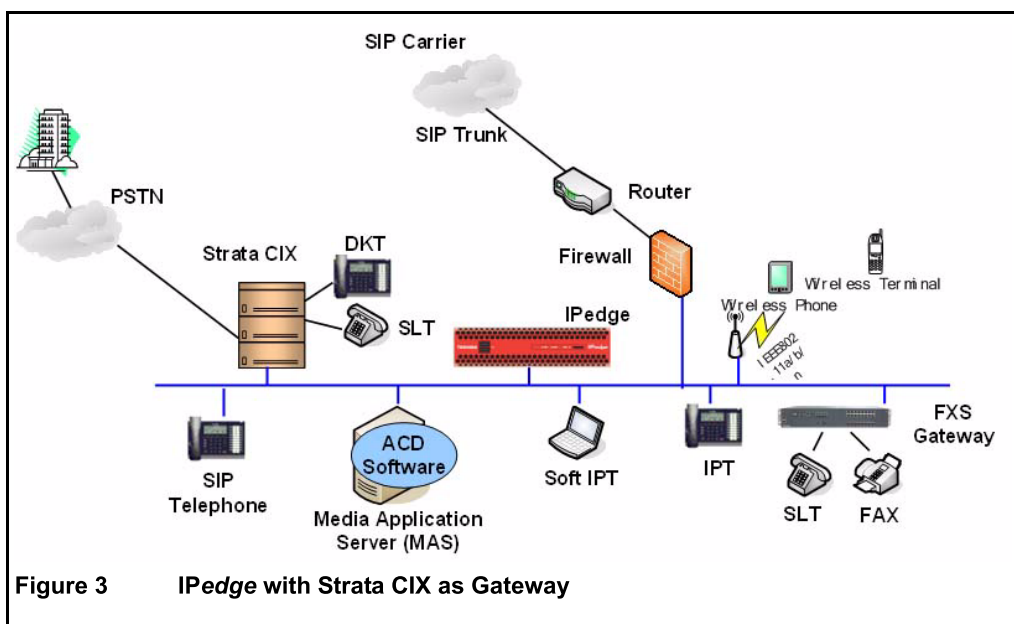
Configuration

In a typical network configuration with IPedge, the IPedge server is placed behind the NAT firewall and given a private IP address.

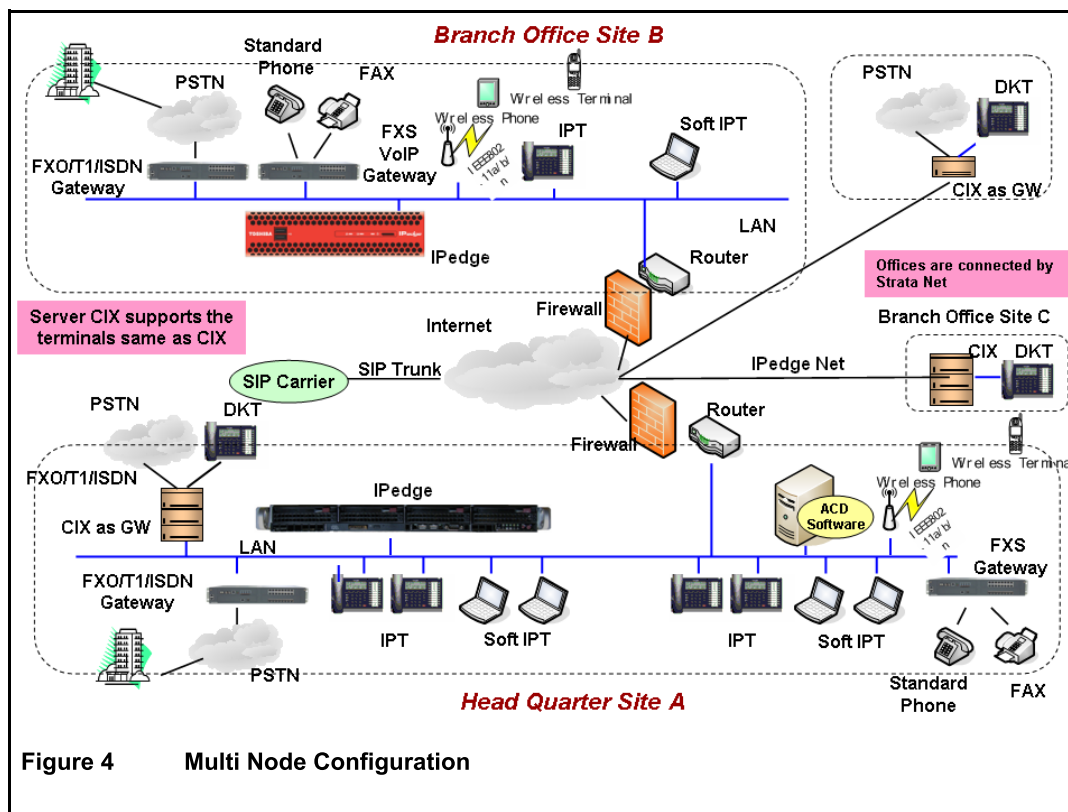
IPedge provides SIP trunking for incoming and outgoing calls. On the LAN, IPedge works with the Soft IPT and IP telephones. An FXO/T1/ISDN gateway is used to connect the all IP IPedge solution to PSTN networks.



Strata CIX system users can migrate to IPedge and minimize their investment by using their Strata CIX system as a gateway for PSTN interfaces and DKT telephones. The Strata CIX is networked to IPedge through IPedge Net.



Multi-node IPedge and Strata CIX systems can be networked together using IPedge Net.



Note The IPedge EP system can be a member node of an IPedge network. While, an IPedge EC or EM system can be a primary node or a member node.

Supported Telephones/Endpoints

The IPedge system supports the following telephones:

- IP telephones that use Megaco +
 - IP-5000 with/without LM5110 or IDM5060, Soft IPT
- Application that uses Megaco +
 - Call Manager
 - PC Attendant Consoles
- Toshiba recommended 3rd Party SIP telephones
 - Polycom SoundPoint IP321, IP331, IP450, IP550, IP560, IP650, IP670
 - Polycom 8002, 8020, 8030 WiFi SIP
 - Polycom Kirk SIP DECT Wireless: 2010, 40xx, 50xx (with the KWS 300 or KWS 6000)
 - Polycom Conference Phones: SoundStation IP6000, IP7000
 - Motorola WSM/NSM & EWP Series WiFi SIP
- The following endpoints are supported through a Strata CIX system using IPedge Net.
 - Single Line Telephone
 - Digital Telephones – DP5000 and DKT3000 models
 - T1
 - Analog CO
 - PRI

Capacities

The following tables contain IPedge capacities.

Table 1 Station/Peripherals System Capacities

Stations	EP Server	EC Server	EM Server
PC Attendant consoles	2	6	6
IP5000-series stations / SIP stations	40	200 per System ¹	1,000 per System ¹
DSS Consoles	8 per Station 24 per System	8 per Station 24 per System	8 per Station 24 per System
Add-on modules - LM5110, KM5020	80	160	800
Simultaneous calls	40	148	576

¹ Capacity could be reduced by the addition of Messaging and or Meeting applications.

Table 2 Trunk Capacities

Trunks	EP Server	EC Server	EM Server
IPedge Net IP channels	20 ¹	96	440
SIP Trunk channels	20 ¹	96	440
Total Analog, T1, and ISDN trunk channels connected by gateways.	20 ¹	96	440
Channel Groups	2 ²	2 ²	2 ²

¹ The **total** of IPedge Net IP channels, SIP Trunk channels and trunk channels connect to gateways is a maximum of 20.

² One group for SIP trunks and one group for IPedge Net

Table 3 IP Telephone Station Buttons

Station Buttons per System	EP Server	EC Server	EM Server
Call Forward, Personal CF Buttons	40	160	1,000
Caller ID (CLID) button (IP telephone only)	40	160	1,000
Group CO Line Buttons ¹	20	96	440
Pooled CO Line Buttons ²	20	50	220
CO Group and Pooled Line Buttons ²	40	440	440
Flexible Telephone Buttons	3,720	48,000	48,000
Line and DN Buttons in use at the same time	3,720	6,000	6,000
Message Waiting Registration (DNs with MW)	1,344	1,344	1,344
Multiple Appearances of DNs on Telephones	3,720	27,000	27,000
Night Transfer Buttons	40	192	192
One Touch Buttons	3,720	24,000	24,000
Primary Directory Numbers [PDNs] per system	56	200	1,000
Phantom Directory Numbers [PhDNs] per system	3,720	4,000	4,000
[PhDNs] with Message Waiting Indication LED	192	192	192

¹ This is the total number of all GCO or Pooled Line Buttons allowed in a system. Example: If the GCO1 button appears on 10 telephones, it counts as 10 buttons.

Table 4 System Feature Capacities

Features	EP Server	EC Server	EM Server
Pilot DNs	256	256	256
Advisory LCD Messages (Set on a Telephone)	1	1	1
Advisory LCD Messages Lists (per System)	10	10	10
Attendant Groups	1	1	1
Call Accounting SMDR Interface ¹	1	1	1
Call Forward, System CF Patterns	48	48	48
Call Park Orbits (General)	96	96	96
Call Park Orbits (Individual)	576	576	576
Minimum / Maximum Caller ID per Station Max means max records of a station	Min:0, Step:5 Max:200	Min:0, Step:5 Max:200	Min:0, Step:5 Max:200
Maximum number of Stations that can have Caller ID/ANI/ DNIS Numbers stored (Call History records)	600	600	600
	3,000	3,000	3,000
CO Line Groups - Incoming Line Groups (ILG)	20	220	220
CO Line Groups - Outgoing Line Groups (OLG)	20	220	220
Outgoing Line Groups (OLG) Members per system (Trunks + ISDN Line Service Index)	660	660	660
Conference Channels	12	24	96
Conferencing (three-parties simultaneously) ²	installed channels/3 (system max. 4)	installed channels/3	installed channels/3
Conferencing (eight-parties simultaneously) ²	installed channels/8 (system max. 1)	installed channels/8	installed channels/8
Conference Party types (up to 8 total lines + stations) ²	8	8	8
Two-CO Line simultaneous Connection ² (Two party only, no telephone or VM channel)	10	48	220
DID Numbers for Calling Number ID/system	1,500	1,500	1,500
DNIS/DID Incoming Numbers (1~7)	3,000	3,000	3,000
DNIS/DID Routing Destination Numbers (1~6 digits) ³	9,000	9,000	9,000
DNIS/DID Routing Destination Numbers (7~32 digits) ³	1,500	1,500	1,500
Network DNs	6,000	6,000	6,000
Uniform Numbering Plan	30,000	30,000	30,000
E911 Groups	56	128	128
Emergency Call Groups	56	128	128
Hunt Groups (Serial/Circular/Distributed combined)	1,100	1,100	1,100
Hunt Group Size (DNs per group)	56	160	1,000
Hunt Group Stations (per system)	56	5,000	5,000
ISDN Line Service Indexes	220	220	220
Multiple Call Ring Group	96	96	96
Off-hook Call Announce to Telephone Speakers ⁴	40	200	1,000
Page Groups (Phones with or without External Zones)	24	24	24
Paging – (Group Page – simultaneous stations paged)	21	120	120
Pickup Groups	48	48	48

Table 4 System Feature Capacities (continued)

Features	EP Server	EC Server	EM Server
Ring Tones (External Call Ring Tones for IP telephones)	10	10	10
Ring Tones (Internal Call Ring Tones for IP telephones)	10	10	10
Speed Dial - Station SD numbers per system ⁵	8,400	8,400	8,400
Speed Dial - System SD numbers per system	800	800	800
Tenants	8	8	8
Destination Restriction Level (DRL) Classes	16	16	16
Verified Account Codes	4,000	4,000	4,000
Voice Mail SMDI Interface ¹	1	1	1
SIP URI per system	1,000	1,000	1,000
SIP Trunk service Index	128	128	128
LCR Exception Table Size	2,500	2,500	2,500
MAX digit number for LCR Route Plans	19	19	19
MAX Number of LCR Route Plans	128	128	128
CSTA Device Monitors	56	1,152	1,152
CSTA Call Monitors	56	560	560

¹ SMDI and SMDR require a LAN interface.

² Conference channels are used dynamically, so the maximum number of simultaneous conferences is affected by the number of conference members in each conference. The total number of members in simultaneous conferences cannot exceed the total number of conference channels. Each conference can have up to eight members. Two CO line connections do not require a conference channel. Third party SIP endpoints cannot be the originator of a conference call.

³ Each DNIS/DID Number uses up to three Routing Destination Numbers (Day1, Day2 and Night) in any combination of (1~6) and (7~32) digit numbers.

⁴ This is not the number of simultaneous OCA but the terminal number of OCA available. (Simultaneous number is limited by maximum capacity of line and call).

⁵ Up to 100 Station SD numbers, allocated in increments of 10, can be programmed per station.

Application Capacities

Table 5 System Administration

	EP Server	EC Server	EM Server
Enterprise Manager Simultaneous Sessions	4	16	32
Web Based Station Admin Simultaneous Sessions	4	64	128

Table 6 Media Server

	EP Server	EC Server	EM Server
Resources	22	216	480

Table 7 Meeting

	EP Server	EC Server	EM Server
Audio Channels	NA ¹	24	48
Web Sessions	NA	24	48
Conference Record	NA	4	8

¹ The IPedge EP server can have up to 56 stations; 40 for users and the other 16 can be shared among voice mail and external Strata Meeting. Meeting can run internally on the IPedge EC and EM servers.

Table 8 Call Manager

	EP Server	EC Server	EM Server
Users with Call Manager	40	200	360

Table 9 Messaging

	EP Server	EC Server	EM Server
Departments	999	999	999
Mailboxes (basic or UM)	1,000	5,000	10,000
Script Mailboxes	20	20	20
Simultaneous Calls	8	32	80
Hours of Storage	4,000 hours	4,000 hours	7,000 hours

Network Requirements

Listed below are the requirements for a successful IPedge implementation.

LAN Requirements

- Network Assessment (Pathview and/or AppCritical or Similar)
- Network topology diagram
- Network Reliability (at the server level – not at the phone level): 99.999%
- POE for IP telephones is recommended
- Layer 3 voice prioritization strongly recommended
 - Layer 3: DiffServ:Enabled
 - Type:DSCP / DSCP for Voice: 46
- Layer 2 can also be supported per network requirements
 - Layer 2: 802.1p/802.1q(VLAN)
802.1p/802.1q support requires networking equipment for IPedge server and is supported by the IP 5000 series phones.
- 88kbps (G.711 audio) in each direction per simultaneous call
- 32kbps (G.729 audio) in each direction per simultaneous call
- Jitter: 10mS or less (+/- 5mSec)
- Less than 50ms latency
- Packet Loss: <0.1%.
- Full Duplex Ethernet on all ports
- Target MOS (Mean Opinion Score) is 4.0
- Recommend network monitoring with a tool such as What's up Gold.
- For SIP trunking a SIP application layer gateway is required in the firewall

VoIP Requirements for Remote Users

- Network Reliability – on the link that's in the customer's control 99.99%
- Layer 3 voice prioritization recommended
 - Layer 3: DiffServ:Enabled / ToS Type:DSCP / DSCP for Voice: 46
- 88kbps (G.711 audio) in each direction per simultaneous call

Note Media traffic is Peer-to-Peer

- Less than 80 ms latency recommended
- Jitter: 20mS or less (+/- 10mSec)
- Packet Loss: < 1%.

VoIP Requirements for WiFi Users

- VoIP Products and Applications
 - PC's with SoftIPT, Call Manager
 - Polycom 8000 series WiFi phones
 - Motorola TEAM application and phones
 - uMobility on iPhone, Windows Mobile, Android, Blackberry
- QoS
 - 802.11e/WMM recommended
 - Layer 3 DiffServ/DSCP/ToS 46
- Network Reliability: 99.99%
- 88kbps (G.711 audio) in each direction per simultaneous call
- 32kbps (G.729 audio) in each direction per simultaneous call

Note Media traffic is Peer-to-Peer

- Less than 80 ms latency recommended
- Jitter: 20ms or less (+/- 10mSec)
- Packet Loss: < 1%
- Support for 802.11b,g,a & n

Pricing

At the time of general availability of the product, Quote and FYI will be updated with the pricing.

Warranty

IPedge servers include a standard 1 year limited warranty on hardware that includes advanced replacement. This warranty can be extended for a period of 2 or 3 years.

The IP5000-series telephones have a standard 2 year warranty which can be extended up to 3, 5, or 7 years.

Refer to Toshiba's third-party warranty for third-party products.

Software Support with Upgrade Service

The purchase of a new IPedge system includes one year of software support with upgrades. This annually renewed program includes technical support, problem fixes, as well as minor and major software releases. The Software Support and Upgrade program can be renewed on an annual basis.

Documentation

Internet site FYI (<http://fyi.tsd.toshiba.com>) contains all current IPedge documentation and enables you to view, print and download current publications.

- IPedge General Description
- IPedge Installation Manual
- IPedge Telephone, Messaging, and Call Manager User Guide
- IPedge Feature Description and Implementation
- IPedge IP5000-Series Telephone Quick Reference Card

Availability

The IPedge EP system is currently available.

Trademarks

Strata is a registered trademarks of Toshiba Corporation.

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-End-