

Vertical Xcelerator IP™ Business Communications System

All-In-One Wireless VoIP and Data Network Solution for Small Business



Xcelerator IP is a new category of all-in-one business communications gateway that is ideal for small offices and home offices.

Your search for an all-in-one IP voice and data communications solution for your small business ends here! Vertical Xcelerator IP is a new category of communications product. Xcelerator IP integrates voice, data and wireless networking in one compact, affordable wireless device that can dramatically reduce communications costs for small businesses. Setup is fast and easy. One Xcelerator IP gateway can support up to 24 Vertical IP2007 SIP endpoints plus additional office devices.

PERFORMANCE WITH SIMPLICITY

Xcelerator IP is a new category of all-in-one business communications gateway — a compact, cost-effective, fully integrated IP telephony and data router/firewall designed specifically for the small office/home office (SOHO) environment.

Xcelerator IP is easy to set up, use and administer and is ideal for:

- Small businesses looking for an affordable integrated IP voice and data solution with world-class wired and wireless performance for up to 24 employees.
- Home offices looking for a powerful, all-in-one communications solution that's easy to set up and maintain.

COMPLETE SOLUTION IN ONE BOX

Xcelerator IP delivers a wide spectrum of voice and data handling capabilities. It is a data network, a phone system with advanced call handling features, a voicemail

system, auto attendant, firewall, and wireless access point (WAP). One Xcelerator IP gateway supports up to 24 SIP phones with robust calling features and true jitter and echo cancellation for high-quality voice reproduction. Xcelerator IP also supports additional networked office and business equipment such as computers, printers, card readers and fax machines.

Xcelerator IP also provides security with user authentication, password-protected system management, encryption, a built-in firewall, packet filtering and more. In the event of power failure, Xcelerator IP automatically falls back to PSTN.

Xcelerator IP provides everything you need at a fraction of the total cost of ownership to buy and support a solution built from separate components. Because of its all-in-one architecture, you are assured that everything will interoperate flawlessly right out-of-the-box.

Vertical Xcelerator IP



EXPANDS AS YOU GROW

For growing and multi-site organizations, up to 24 SIP endpoints can be added to one Xcelerator IP gateway. In addition, 10 Xcelerator IP gateways can be networked to provide a multi-node solution within which users can make, receive or forward calls to each other over the network or out of the network.

VOICEMAIL & AUTO ATTENDANT INCLUDED

A full-featured Flash-based voicemail system and auto attendant are fully integrated into Xcelerator IP – no additional cards and no licenses are required. The system can serve up to 4 stations simultaneously and has a 4-hour recording capacity.

The flexible Auto Attendant provides the following options to an incoming caller:

- Dial a station number to reach someone
- Leave a message in a particular mailbox
- Play music on hold or announcements, such as hours of operation or driving directions

The Auto Attendant time/date stamps all messages and provides the following features to users:

- Plays Day, Night, Lunch, Holiday and Temporary Greetings and messages
- Sends voice messages to e-mail inboxes as WAV attachments
- Forwards incoming calls to another extension
- Plays prompts in any two user-defined languages

911 SUPPORT

Because Xcelerator IP supports both IP and analog (copper) trunking, it can support 911 call requirements by provisioning a local copper trunk. Copper trunking is required to ensure that the Central Office is in the same Local Access and Transport Area (LATA) as the installed location. The trunk is not reserved for 911 support and can be used for regular calling as well as failover in the event of power failure.

FAST SETUP AND EASY MAINTENANCE

Xcelerator IP features a powerful yet easy-to-use setup wizard that walks the administrative user through each step required to configure the system. A Web-based configura-

tion utility enables quick and easy access to the system to configure extensions, phone directories, numbering plans and auto attendant schedules from virtually anywhere. The system administrator can also back up messages, the system database and voice files to a PC.

ADVANCED SIP TELEPHONE

The Xcelerator IP gateway is complemented by the full-featured, ergonomic Vertical IP2007 SIP telephone, which will harmonize with any office décor. The IP2007 features automatic, plug and play registration with the Xcelerator IP gateway.

Using the 2-port Ethernet switch built into the IP2007 you can connect both your PC and phone to the LAN using a single LAN cable. The IP2007 comes with an AC power adapter and also supports Power-over-Ethernet (PoE).

The graphic LCD display shows call status and special call handling features, which can be configured via the easy-to-use interactive soft keys and navigation buttons or a Web browser. The IP2007 is desk- or wall-mountable, and has a convenient, adjustable pedestal.

IP2007 performance features include:

- Make, receive and forward calls
- Hold telephone conferences with up to three participants
- 400-entry phone book
- 10 speed-dial numbers
- Users can record their name, personal and temporary greetings, and password.
- Users can access voicemail with delete, reply, save, and skip options.
- Users can forward voicemail messages to another destination.
- Users can access message envelope date, time, and sender information (requires Caller ID support from provider).

SPECIFY WITH CONFIDENCE

Xcelerator IP delivers the power of a big business system in an affordable and extremely reliable package. Xcelerator IP comes from Vertical Communications, one of the largest telephony vendors in North America and a global leader in IP telephony, with a current installed base of over 200,000 customers.



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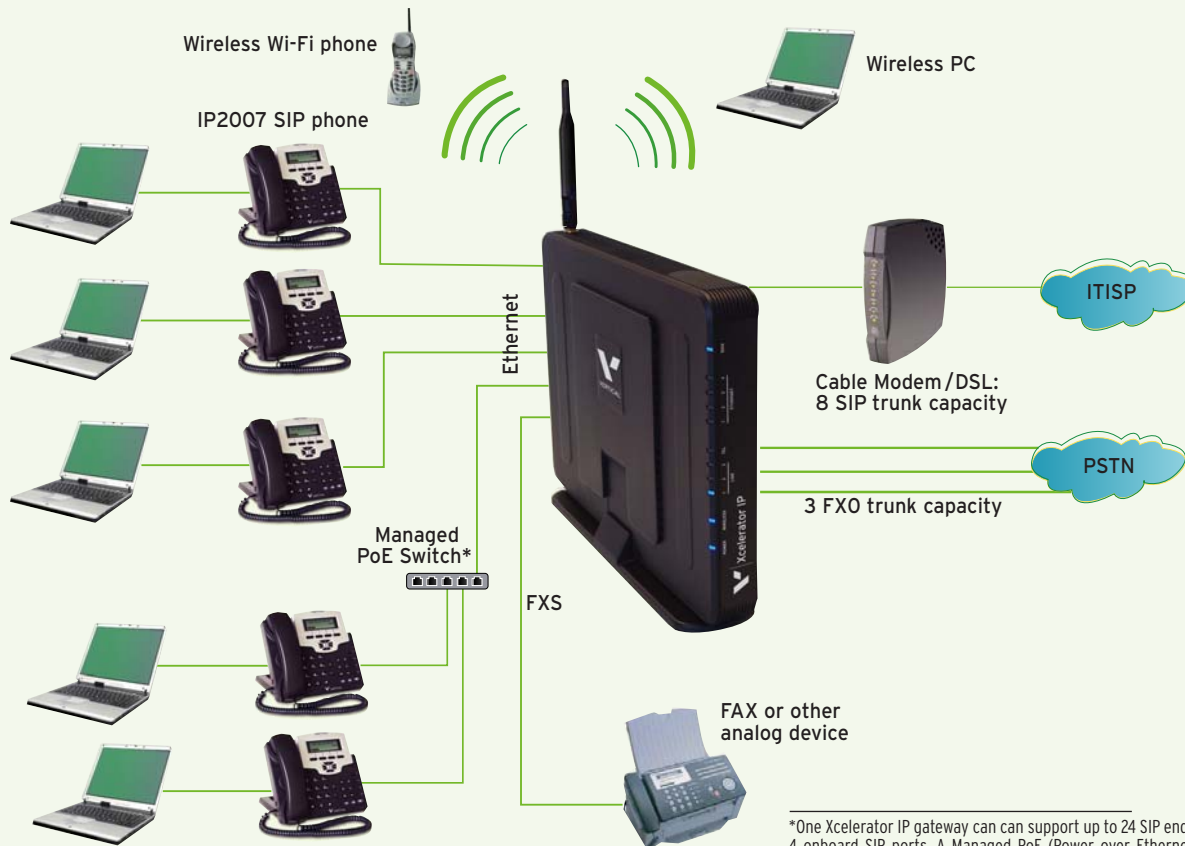
XCELERATOR IP GATEWAY



IP2007 SIP SPEAKERPHONE



TYPICAL SMALL OFFICE SYSTEM



*One Xcelerator IP gateway can support up to 24 SIP endpoints and includes 4 onboard SIP ports. A Managed PoE (Power over Ethernet) switch is recommended to support more than 4 SIP endpoints. The example shows a 4-port switch with 2 ports utilized.

Vertical Xcelerator IP



ABOUT VERTICAL COMMUNICATIONS, INC.

Vertical Communications, Inc. is a leading provider of next-generation IP-based voice and data and digital communications systems for business. Vertical combines voice and data technologies with business process understanding to deliver integrated IP-PBX and application solutions that enhance customer service and business productivity. Vertical's customers are leading companies of all sizes

from small to large and distributed, and include CVS/pharmacy, Staples and Apria Healthcare. Vertical delivers its solutions through a worldwide network of systems integrators, resellers and distributors.

For more information about the Xcelerator IP Business Communications System, please contact us at 800-843-4863. For other Vertical solutions, please contact us at 800-914-9985 or visit our Website at www.vertical.com.

SPECIFICATION AND FEATURE SUMMARY

XCELERATOR IP GATEWAY

Network Features

- LAN Interface: 4 Ethernet 10/100BaseT (via RJ45 connectors)
- Supports 8 VoIP SIP trunks and 3 FXO Standard Analog trunks via RJ11C (Loop Start)
- SIP proxy
- VoIP: SIP v2 (RFC3261), G.711, G.729A, and G.723.1 (optional)
- IP Address Assign (DHCP)
- IP QoS (802.1p, VLAN, Priority Queue based on ToS tag)
- WAN Data Port (10/100BaseT); Access via External Cable/ADSL for Broadband Data
- TCP/IP Protocols
- Firewall functions: IP/Port/Interface Filtering Rules; Port Triggering; Port Forwarding; DMZ Host; MAC Layer Filtering; NAT with STUN
- Power over Ethernet (PoE) 802.3af
- Supports up to 24 SIP Voice Terminals, both wired (expand with PoE switch) and wireless via Ethernet or built-in 802.11g Wi-Fi Access Point
- 1 FXS (RJ11) for Analog device
- Remote Administration via 802.11G Wi-Fi or Ethernet

Performance Features

- Automatic failover to PSTN
- Adaptive Jitter Buffer
- Automatic fall-back to PSTN line calling if power fails
- Auto Attendant and voicemail (4 hours, G.729a)
- Automatic registration with IP2007 endpoint
- Call Operator
- Call Progress Tone Generation/Detection
- Call Routing
- Caller ID Name & Number

- Caller ID to Extension
- Comfort Noise Generation (CNG)
- Data Protocols: DHCP, TFPT, RTP, SIP
- Daylight Saving Time
- Default Set
- Direct Inward System Access (DISA) via Auto Attendant
- DTMF Relay (RFC2833)
- Extension Password
- Fax/Modem 2100 Hz Tone Detection
- Echo Cancellation: G.168 for each voice line
- Flash – Analog Port (SLT) Flash Recognition
- G.168 Line Echo Cancellation
- Integrated voicemail
- Line Group Assignment
- Multi-Line Appearance
- Music On Hold
- NAT and Routing Functions
- Night Switching
- 911 on CO Trunks
- Numbering Plan
- System Data & Time
- System Speed Dial Capacity: 100 entries
- Transfer
- Trunk Group
- Voice Activity Detection (VAD)

Security

- Password protected system management
- User authentication for PPP (PAP/CHAP/MSCHAP)
- Firewall
- Packet Filtering
- Access Control List
- Wireless Security: WEP (64, 128-bit) encryption; 802.1x and WPA/WAP2 authentication; MAC Address-based access control

IP2007 SIP TELEPHONE

Features

- Automatic registration with Xcelerator IP
- Blind Transfer
- Call Forward
- Always Forward
- Busy Forward
- No Answer Forward
- Call Log
- Call Park, Park Retrieve
- Caller ID Name & Number Displayed
- Conferencing (3 parties)
- Daylight Savings Time
- Dial Plan
- Directory Dial
- Do Not Disturb
- Dual Ethernet ports
- E-mail Notification of voicemail Message
- External Paging
- Feature Key Programming
- Group Paging
- Headset Jack
- Hold/Resume/Navigation
- Interactive LCD Display
- Interactive soft keys
- Least Cost Routing
- LED Status Indicators
- Menu Configuration
- Message Waiting Indication
- Mute
- Page Allow/Deny
- Phone Book: 400 entries
- Phone Lock/Unlock
- PoE 802.3af Option
- Redial
- Ring Groups
- Soft Keys
- SpeakerPhone
- Speed Dial



www.vertical.com

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