Citel. The VoIP Migration Company™

PBXgateway™ II

Extend enterprise PBX functionality to branch offices, call centers and single users.

Citel's PBXgateway™ II enables seamless access to the features and applications of a central corporate PBX, allowing remote workers to better serve customers and colleagues.

Unifies voice platform features and applications across the enterprise.

Reduces communication costs.

Extends the life of the corporate PBX.

Simplifies dialing plans.

Integrates seamlessly with leading PBX/KTS platforms.

The Citel EXTender™/PBXgateway™ Product Suite

Distributed enterprises utilizing a central PBX with advanced features and applications require IP migration solutions that leverage existing infrastructure investments, but also pave a road to the future of IP telephony. Citel's EXTender™/PBXgateway™ product suite accomplishes both objectives. Branch offices, call centers, mobile workers, and home-based workers connect seamlessly to the corporate voice network, while the enterprise extends the useful life of the existing PBX. As a result, enterprises achieve:

• Lower monthly telecom operating expenses through unified dialing plans and IP network utilization.

• Increased productivity through centralization of PBX management combined with distribution of PBX features and applications across the enterprise.

• Elimination of individual PBX or Key Systems at branch offices and call centers.

Citel's EXTender™/PBXgateway™ telephony solutions are designed for operational simplicity. Configuration, management, administrative, and diagnostic functions are accessed using a dial-up modem, local terminal, HTML, or Telnet connection.

During the transition from digital to IP telephony, smart enterprises require the best from both. With a broad product suite for enterprises with configurations ranging from a single teleworker to a large network of branch offices and mobile employees, Citel has the right managed telephony migration solution for you.

Product Features

In traditional PBX enterprises, remote office telecom and datacom resources are often far inferior to those of the headquarters location. The Citel PBXgateway™ II, deployed with compatible Citel EXTenders™, allows off-premise workers to enjoy seamless access to the corporate voice network, regardless of geographic location. All employees utilize a single voice platform, increasing productivity and reducing operational expenditures.

The PBXgateway™ II terminates all the following Citel EXTender™ units: 4000, 4100, 6000, IP6000,

and 7000. To deploy a PBXgateway™ II solution, simply install one or more units within 500 feet of the PBX, and one or more compatible EXTenders™ at the remote location(s). The PBXgateway™ II works with leading PBX platforms and digital handsets over T1, E1 Frame Relay, and IP connections, with an external CSU/DSU device required to terminate T1, E1 and FR networks.

In addition, the PBXgateway™ II includes two Ethernet ports. One port connects to the network while the other can be reserved for maintenance and troubleshooting without disrupting voice traffic.

Key Benefits

Increased Productivity
With the PBXgateway™ II deployed as part of a Citel solution, branch office and other remote employees use fully featured handsets to access PBX/KTS dial tone, receive office-bound calls, and invoke business calling features such as internal dialing, transfer, hold, and conference. The easy system maintenance frees up valuable time and resources for IT and telecom staff.

Cost Savings
Telecommunication costs fall by up to 30% just by administering all PBX users from a single location and platform. And with access to internal (four-digit) dialing, there are no toll charges when calling any office within the enterprise, regardless of physical location. Further, placing regular long-distance and international calls through the corporate voice system, keeps all employees on a unified dialing plan.

Flexibility
The PBXgateway™ II is a 24-port unit that easily scales with the growth of the enterprise: when new employees are added, simply utilize an available port or, when capacity is reached, add another PBXgateway™. It supports several voice compression rates as well; the enterprise simply selects the best rate for its network (if available).

Ease of Maintenance
Moves, adds, and changes at branch locations can be performed from a central location, as can system performance monitoring. Network and feature permissions are controlled at the central location as if all employees were under one roof. The PBXgateway™ II can even be remotely managed through a variety of remote access options.

mck communications

Technical Specifications - PBXgateway™ II

Description

Gateway terminal device

Capacity

24 port

PBX/KTS Interoperability

The PBXgateway™ II supports leading PBX protocols including:
•Avaya: Definity® ECS(all G3 releases),and ECLIPS Media Servers and Gateway (digital phones only)
•Nortel: BCM, Meridian®, & Norstar®

Citel Equipment Interoperability

In a managed IP environment:
•EXTender™4000, 4100, 6000,and 7000 series
In a point-to-point WAN environment:
•EXTender 6000,and 7000 series

Enhanced Features

MobileConneX application - feature allows calls to a desk set to be re-routed simultaneously to any phone number that is programmed in by the end user or system administrator. Frequently users use a cell phone, to get inbound calls, when away from their desk. The desk set and the "cell" phone will ring, and if it goes unanswered, the voice mail will be left on the PBX voice mail. If answered, and a DTMF key is pressed, the user will be able to talk to the calling party, as well as perform PBX functions, like Hold, Conference, Transfer, etc.

Interfaces

Two RJ-45 10/100 Base-T Ethernet for RVPoIP and Telnet / HTML system management
One Amphenol connector for 50-pin RJ-21 cable for interface with digital PBX ports
Two DB-25 WAN ports for serial RVP connection. V.35, RS-232, RS-530, for connection to CSU/DSU port (for T1). If the CSU/DSU has the 34 pin true V.35 connector, then you will need the black box FA059 "M34" adapter

Voice Protocols

Supports voice compression algorithms:
•G.729A (8kbps)
•G.726 (24 or 32 kbps ADPCM)
•G.711 (64 kbps PCM)
  G.165 echo cancellation software with Citel proprietary double-talk detection enhancement
Citel Remote Voice Protocol (RVP)
Citel Remote Voice Protocol over Internet Protocol (RVPoIP)

Network Protocol Support

TCP/IP protocol support for IP traffic and management access
RVPoIP uses UDP/IP protocol for voice transmission

Configuration & Management

Must be deployed within 500 feet of the corporate PBX/KTS
Simultaneous dual Ethernet port connection only

available in a managed IP environment (connects to the LAN via both 10/100 Base-T ports simultaneously)
Supported utilities:
•RS-232 console interface
•Telnet
•HTML
•SNMP
•phone display (limited features)
•InbandRVP

Physical

Form Factor: Low Profile, 1U rack mountable unit
Size: 17"w x 11"d x 1"h (432mm x 280mm x 25mm)
Weight: 8.3 lbs (3.8 kg)

Power

Universal auto ranging
Line voltage: 100 - 240 V
Frequency: 47 - 63 Hz
Maximum power consumption: 75 Watts

Environmental

Temperature: 32 - 130 F (0 - 54 C)
Relative humidity: 5 - 95% (non-condensing)

Regulatory

FCC
47 CFR Part 15, Subpart B, Class B
Part 68, Subpart D

Industry Canada
CS-03 Part 1 Issue 8
CSA C22.2 No. 60950-1 (03)

UL 60950-1 (03)
EU 60950-1 (01)
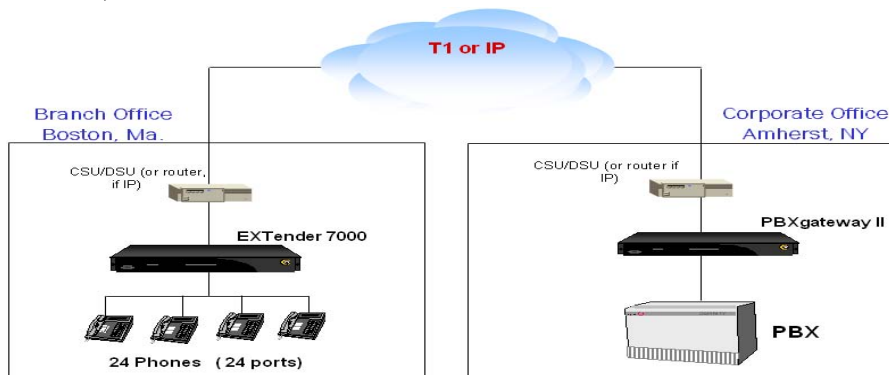IEC 60950-1 (00)

EN
55022 (98) + A1 + A2
55024 (98) + A1 + A2

Warranty
One-year limited warranty for parts & labor.
Extended warranty options available.

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