EXTender™ 7000
Extend enterprise PBX functionality to branch offices and call centers

Citel's EXTender™ 7000 enables seamless access to the features and applications of a central corporate PBX, allowing remote workers to better serve customers and coworkers.

Reduces communications costs

Extends the life of the corporate PBX

Unifies voice platform features and applications across the enterprise.

Simplifies calling plans

Integrates seamlessly with all leading PBX / KTS systems.

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Ensures outstanding voice quality.

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Provide survivability to branch offices.

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The Citel EXTender™/PBXgateway™ Product Suite

Distributed enterprises utilizing a central PBX with advanced features and applications require 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

The EXTender™ 7000 is a 24-port remote client device. It is designed for branch offices and call centers with 13 or more employees per location. To deploy a Citel EXTender™ 7000 solution, install one or more units at each remote location, and a Citel PBXgateway II at the corporate office. EXTender 7000s work with leading PBXs and digital handsets over T1, E1, ISDN, PRI, frame relay, and managed IP networks. The EXTender 7000 includes an FXO port that ensures easy 911 call locating, and survivability in case of WAN failure.

A CSU/DSU configuration is required to provide an T1 interface. Enterprises with T1 or E1 lines will benefit from the local trunk line and intranet data transmission features. First, multiple channels can be allocated for use as local trunk lines. Voice traffic is sent over the WAN link only when voice features are invoked. This is especially beneficial in case of a WAN failure, when all calls must be routed through the PSTN.

Key Benefits

Increased Productivity
Branch office and other remote employees use the same full-featured digital sets as the central location to access PBX/KTS dial tone, receive office-bound calls, and invoke business calling features such as internal dialing, transfer, hold, and conference. Straightforward configuration and management allows IT and telecom staff to focus on employee productivity instead of remote voice system maintenance.

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 extension 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 Citel EXTender™ 7000 interoperates with leading PBX and Key systems from Avaya and Nortel. Most enterprises can leverage their existing call control platform to connect remote offices to the corporate voice system. The 7000 series is also an easily scalable solution for branch offices. New employees can easily be added by utilizing an available EXTender™ port or, when capacity is reached, by adding another EXTender™.

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 EXTender™ 7000 can even be remotely managed through a variety of remote access options and user port configurations.

mck communications

Technical Specifications - PBXgateway™ II

Description

Branch office remote client device

Capacity

24 port

Supported Handset Models

The Citel EXTender™ 7000 supports leading PBX protocols, including:
•Avaya Definity® 8400, 6400 series and more
•Nortel: Meridian® and Norstar® 3900, 2600, 7200, 7300 series and more

PBX Interoperability

The Citel EXTender 7000 supports leading PBX protocols, including:
•Avaya: Definity® CS (all G3 releases), ECLIPS Media Servers and Gateways (digital phones only)
•Nortel: Meridian®, and Norstar®

Citel Equipment Interoperability

PBXgateway™ I (E-6000G-SUM08, E-6000G-SUM12)
PBXgateway II (E-GWY2-SUM)

Interfaces

OneRJ-11 analog port for POTS (emergency backup line)
One Amphenol connector for 50-pin RJ-21 cable for interface with digital telephone sets
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Two DB-25 WAN ports for serial RVP connection.
Redundant interfaces include V.35, RS-232, or RS-530
Two RJ-45 10/100 Base-T Ethernet ports (AUXLAN for RVPoIP and/or remote management; LAN for REPoIP traffic)
Network interface card with two RJ-45 connectors
Power supply

Voice Protocols

Choice of voice compression algorithms:
•G.729A(8kbpsADPCM)
•G.726(24o32kbpsADPCM)
•G.711(64kbpsPCM)
•G.165 compliant double-talk detection echo cancellation
RVP™
RVPoIP™

Configuration & Management

The EXTender 7000 Series must be terminated by a Citel PBXgateway at the corporate PBX location.
Over circuit-switched networks, the EXTender 7000 interfaces directly with the network via one of the network interface ports.

Over managed IP networks, the EXTender 7000 connects to an IP-capable DSU or router via a 10/100 Base-T port.
Supported Utilities:
•SNMP
•Telnet
•HTML

•Phone display (limited features)
•RS-232 console interface
•LANFTP
•TCP/IP

Physical

Form factor: low profile, 1U rack mountable unit
Size: 17" x 11" x 1.75"(432mm x 203mm x 44mm)
Weight: 8.0 lbs (3.6 kg)

Power

Internal, universal auto ranging
Line voltage: 100 - 240 V
Frequency: 47 - 63 Hz
Maximum power consumption: 75 watts

Environmental

Temperature: 32 - 130 F (0 – 55 C)
Relative humidity: 5 – 95% (non-condensing)

Regulatory

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

CSA NRTL/C
CAN/CSA-C22.2 No. 950-93
CA/CSA-C22.2 No. 225-M90

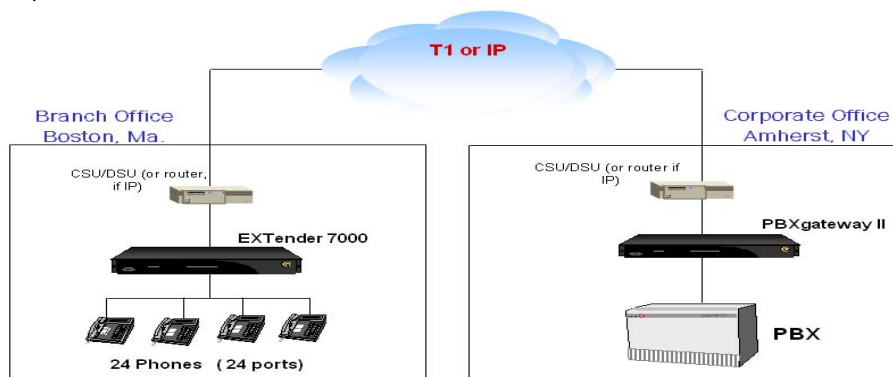UL Std. No. 1459
UL Std. No. 1950-95

Industry Canada
CS-03, Part 1, Issue 8

Warranty

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

Citel. The VoIP Migration Company™

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