EXTender™ 1000 Series
Extend corporate telephony features to teleworkers with analog lines

Citel's EXTender 1000 gives teleworkers and other single users seamless access to the same telephony features as corporate office staff.

Reduces communication costs.

Extends the life of the corporate PBX.

Ensures outstanding voice quality.

Works seamlessly with all leading PBX/KTS systems.

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 IP telephony migration solution for you.

Product Features

Citel's EXTender 1000 gives teleworkers and other single users seamless remote access to the corporate voice and data networks and associated applications. The EXTender 1000 is a smart choice for enterprises managing remote workers lacking a broadband Internet connection.

Setup and configuration are straightforward. Simply connect EXTender 1000 remote units at the remote location over an analog POTS line, and EXTender 1000 switch units at the central PBX location. For larger deployments, multiple EXTender 1000s can be connected to the Citel PBXgateway II. Either way, installation is plug-and-play, and set-up is easily accomplished using the phone display or a PC.

Key Benefits

Increased Productivity
Teleworkers and other remote employees are able to access PBX/KTS dial tone, receive office-bound calls, and invoke business calling features such as internal dialing, transfer, hold, and conference. Users who also maintain a workstation at the corporate office can provide callers with a single reach number, and enjoy the convenience of one voice mailbox for all messages. And the easy system maintenance frees up your IT staff's valuable time as well.

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 EXTender 1000 interoperates with all leading PBX and Key systems. Your enterprise can leverage its existing call control to connect remote users to the corporate voice system. The EXTender 1000 is also an affordable, scalable solution for additional teleworkers or other single users. Additional users can be easily added with a standard EXTender 1000 configuration at the remote location, and a second EXTender 1000 or PBXgateway port at the PBX.

Technical Specifications - EXTender™ 1000 Series

Description

Single-user remote client device
Single-user switch device

Capacity

1 port (both devices)

Supported Handset Models

The Citel EXTender™ 1000 supports leading handsets, including popular models from all manufacturers with compatible PBX protocols (see list below)

PBX Interoperability

The Citel EXTender 1000 supports leading PBX protocols, including:
• Avaya: Definity® ECS (release 3 or later)
• Iwatsu ADIX APS
• NEC NEAX
• Nortel: BCM, Meridian®, and Norstar®

Citel Equipment Interoperability

PBXgateway™ II

Interfaces, Remote Units

RJ-11 for analog
RJ-11/RJ-45 for digital telphone set
DB-9 RS-232 for PC connection (optional)
External power supply

Interfaces, Switch Units

RJ-11 for analog
RJ-11/RJ-45 for supported switch
DB-9 RS-232 for server connection (optional)
Power supply

Voice Protocols

Voice compression algorithm G.729 A (8 kbps ADPCM)
G.165 compliant double-talk echo cancellation

Configuration & Management

The EXTender 1000 suports dial-up and leased line (model E-1000U only) analog connections.
Must be terminated by either an EXTender 1000 switch unit or the PBXgateway II at the PBX location.
Supported Utilities:
• Serial port (RS-232)
• Phone display (limited features)

Physical

Form factor: small footprint, desktop mountable
Size: 8.0″ x 8.0″ x 1.5″ (205mm x 205mm x 40mm)
Weight: 2.2 lbs (1kg)

Power

External adapter (included)
Line voltage: 120 VAC
Voltage requirement: 12 VDC
Power supply: 800 mA
Maximum power consumption: 680 mA

Environmental

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

Regulatory

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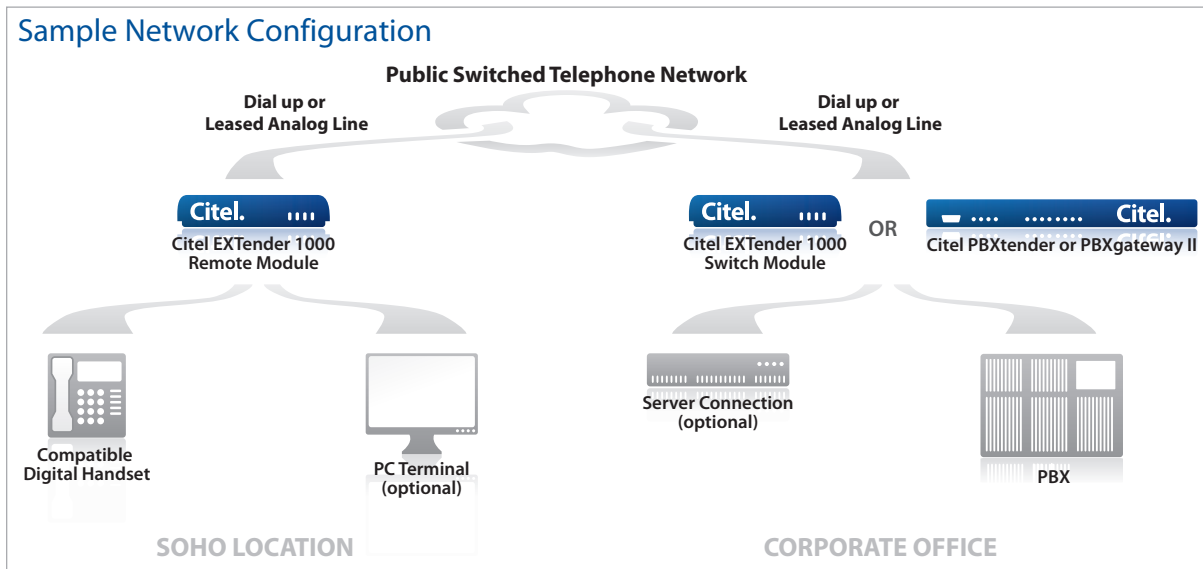Part 68, Subpart D

Industry Canada
CS-03 Part 1 Issue 8

CSA C22.2 No. 60950-1 (03)
UL 60950-1 (03)

Warranty

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

Sample Network Configuration

Public Switched Telephone Network

Dial up or Leased Analog Line

Dial up or Leased Analog Line

Citel.
Citel EXTender 1000
Remote Module

Citel.
Citel EXTender 1000
Switch Module

OR

Citel.
Citel PBXtender or PBXgateway II

Compatible Digital Handset

PC Terminal (optional)

Server Connection (optional)

PBX

SOHO LOCATION

CORPORATE OFFICE

EXT1000-0807

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