



EXTender™ 6000 for Branch Offices

Delivering the power of the corporate PBX to branch offices over traditional and next-generation networks

Distributed Voice Solutions For The Extended Enterprise

"REMOTE EMPLOYEES WON'T FEEL REMOTE ANYMORE"

If you've ever worked in a remote office, you know why they call them remote. Remote employees usually have had to settle for second-rate services because the technology was not available or the costs of duplicating resources were too high.

Now, imagine providing better services to your branch employees and your customers with minimum additional investment.

MCK's Distributed Voice Solutions affordably and seamlessly extend the features and functionality of existing corporate voice systems to branch offices, remote call center agents, telecommuters and mobile workers across traditional and next-generation networks. Our solutions provide businesses with a managed migration path to the telephony applications of the future, enabling them to leverage their investments in existing voice systems, access new applications being offered by next generation service providers, and maintain a single, unified voice system for their increasingly distributed workforces.



PRODUCT OVERVIEW

With MCK's EXTender 6000 for Branch Offices, off-premises workers can now enjoy the features of the corporate PBX, from wherever they are located. No more feeling of seclusion from co-workers and corporate resources.

The EXTender 6000 delivers quality voice over circuit-switched and managed packet networks.

The EXTender 6000 supports two of MCK's proprietary protocols: Remote Voice Protocol (RVP)™ and Remote Voice Protocol over Internet Protocol (RVPoIP)™. One or more EXTender 6000s can be terminated at either one of MCK's PBXgateways located at the corporate office. The EXTender 6000 is available in 8-port and 12-port configurations.

MCK's proprietary remote voice protocol turns digital voice and phone signaling into highly efficient data packets. Sophisticated software features include a G.165-compliant echo canceller enhanced with extremely robust double-talk performance, licensed PBX protocols and a range of industry standard voice compression options.

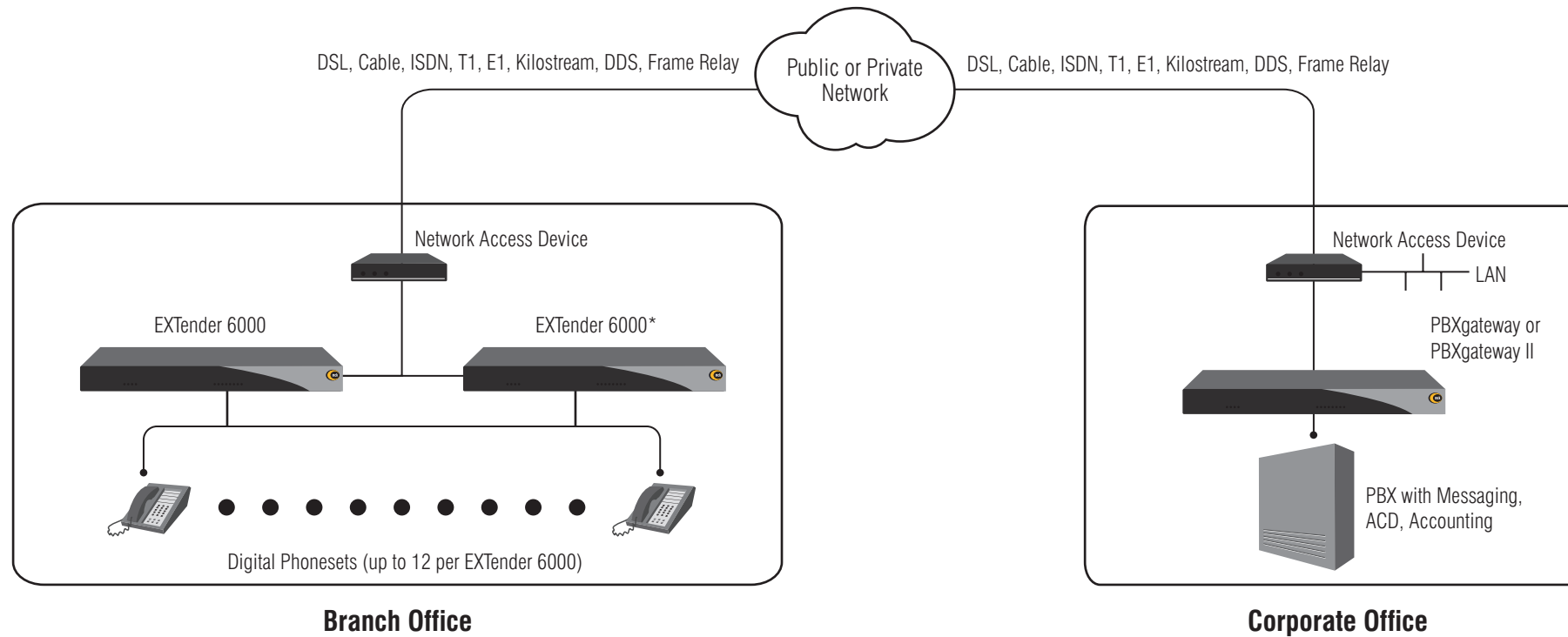
MCK's EXTender 6000 for Branch Offices enables you to provide full corporate PBX capabilities over an existing data network, making voice and data convergence a reality.

The EXTender 6000 has been designed for operational simplicity, freeing branch employees from administrative tasks. All of the system's configuration, operation, and administrative and diagnostic functions may be managed using a serial connection, Telnet, dial-up modem or an inband network connection from a PBXgateway. This flexibility allows you to maximize your company's network administration resources and lowers operating costs.

EXTender 6000

APPLICATION SCENARIOS

- Sales offices
- Satellite call centers
- Retail operations
- Franchise outlets
- Banking or financial parks
- Municipal departments
- Manufacturing operations
- School districts
- Healthcare networks
- Any office of less than 24 users that values voice connectivity to the corporate PBX



GENERAL SET-UP GUIDELINES

- Requires one of MCK's PBXgateways at the corporate office
- External network interface required. Requires a DB-25 to DB-25 RS-530 male to female straight thru cable for each WAN port (DB-25 to M34 adapters may be required for some network access devices) or RJ-45 10Base-T Ethernet cable for IP traffic
- Set-up via:
 - RS-232 serial connection to PC, LAN Telnet, PC and modem connection, inband RVP management from a PBXgateway
 - SNMP support (MCK MIBs and traps)

KEY BENEFITS

- **Flexible configurations**
Available in 8-port or 12-port configurations.
- **Increased Productivity**
Branch office users get fully featured digital sets and all corporate PBX, messaging, call accounting and ACD features.
- **Network Efficiency**
Leverages existing corporate PBX and data networking resources. Choice of network protocol support and variable compression rates minimizes communications cost.
- **Ease of Use**
Plug and play installation. Corporate and remote management tools provide flexible administration.

KEY FEATURES

- Call blocking
- Encrypted username and password allocated by system administrator to each port
- Call suspend mode on ISDN lines with Asynch TA
- Analog telephone line for 911 calls (optional)
- Network down recovery (serial RVP mode only)
- Synchronous transmission
- Support for asynchronous TA adapters
- CopperCompatible Frame Relay encapsulation (FRF 1483 & FRF 1490)
- Support for IP Precedence and DiffServ QoS mechanisms

PBX/KTS COMPATIBILITY

- Avaya
DEFINITY® ECS (release 3 or later)
- IWATSU
ADIX APS
- NEC
NEAX2000™, NEAX2400™, NEAX Express and Electra Elite
- Nortel
Meridian® and Norstar®
- Toshiba
Strata DK



FRONT VIEW

DB-9 console port for easy system management.



BACK VIEW

CONNECTORS INCLUDED IN BACKPLANE OF UNIT:

- Internal power supply
- One Amphenol connector for 50-pin RJ-21 cable for interface with digital telephone sets
- Two DB-25 WAN ports for serial RVP connection. Redundant interfaces include V.35, RS-232 or RS-530
- One RJ-45 10/Base-T Ethernet for RVPoIP and Telnet/HTML system management

EXTender 6000

ONLINE RESOURCES

- List of recommended network access devices available at www.mck.com in the Products & Solutions section

SOFTWARE SUPPORT

- TCP/IP protocol
- RVPoIP uses UDP/IP protocol for voice transmission
- Serial RVP uses HDLC encapsulation for voice transmission
- Management and Utilities – Telnet, inband RVP, RS-232 console interface, SNMP, HTML, phone display (limited features)

OPERATING SYSTEM & UPGRADE

- Wind River's VxWorks® operating system
- Software upgradeable via LAN FTP, RS-232 serial port to PC, or inband connection between the EXTender 6000 and a PBXgateway

VOICE PROTOCOLS

- Choice of voice compression standards:
 - G.729A (8 Kbps)
 - G.726 (24 or 32 Kbps ADPCM)
 - G.711 (64 Kbps PCM)
- G.165 echo canceller software, with MCK proprietary double talk detection enhancement
- MCK Remote Voice Protocol (RVP)
- MCK Remote Voice Protocol over Internet Protocol (RVPoIP)
- IP voice packets are tagged for network traffic prioritization using IP Precedence or DiffServ

HARDWARE

- Form Factor: Low Profile, 1U rack mountable unit

Other Components:

- Motorola 68MH360, 33Mhz CPU
- 4 MB Flash Memory, 512 Kb ROM, 4MB DRAM
- DSP Analog Devices 2187 (52 MIPS)

POWER SUPPLY

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

DIMENSIONS

- Size: 17" x 8" x 1¼"
(432mm x 203mm x 44mm)
- Weight: 6.5 lbs (3 kg)

OPERATING ENVIRONMENT

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

REGULATORY APPROVALS

- FCC Part 15 Class B and FCC Part 68, NRTL/CSA, CE Mark and TUV

WARRANTY

- One-year limited warranty for parts and labor



Service Provider
Solution Partner

*Up to two EXTender 6000 for Branch Offices can be terminated into one PBXgateway over serial RVP connections.



Product specifications subject to change without notice.

MCK, the MCK logo, EXTender, PBXgateway, RVP and RVPoIP are trademarks of MCK Communications, Inc. Other brand and product names referenced herein are trademarks of their respective holders.

* MCK's IP-based products utilize Voice over IP (VoIP) technology to deliver remote voice solutions. The voice quality of these solutions is dependent on variables such as available bandwidth, network latency and quality of service (QoS) initiatives, all of which are controlled by the network and Internet service providers. Because these variables are not in MCK's control, it cannot guarantee the performance of the users IP-based remote voice solution.

© 2001 MCK Communications, Inc.
06-E6000-0501

Distributed in Australia by:
Answer Plus Communications (Aust) Pty Ltd
P.O. Box 1025
BAULKHAM HILLS NSW 1755
Australia
Tel: 1300 368 506
Fax: 1300 368 503
Email: sales@apcomms.com.au
www.apcomms.com.au

Appointed Agent:

