# XMediusFAX™ sp
## SERVICE PROVIDER EDITION
**BOARDLESS, T.38 MULTI-TENANT FAX OVER IP SERVER**

# Technical Specification Sheet
software based FoIP solutions for organizations requiring cost-effective survivability, scalability, and multi-tenancy

## INTRODUCTION

### Redefines the IP Fax Server Market
XMediusFAX™ is Sagem-Interstar's innovative and patented IP fax server solution supporting the robust and standardized T.38 Fax over IP (FoIP) protocol. Redefining the market when it was first introduced in 2002, it is the global leading software-only IP fax server solution that is offered in four application optimized editions, namely, sp for Service Provider, ee for Enterprise, x for Express, and axp for use within the Cisco Integrated Service Router (ISR).

### Optimizes Global TDM to IP Migration
XMediusFAX software solutions are optimized to efficiently address the accelerating global TDM to IP migration trend, deliver enhanced productivity, streamlined operations, and lower total cost of ownership (TCO). These solutions address diverse fax deployment drivers ranging from increasingly stringent regulatory requirements, evolving infrastructure strategies (i.e., UC, ECM, 'branch' optimization), flexible application integration (ERP / CRM) to adoption of more economical, eco-friendly core technologies (i.e., FoIP, virtualization, SIP trunking) and versatile multifunction devices (MFDs).

## SP EDITION HIGHLIGHTS

The XMediusFAX SP edition is field proven to manage large fax volumes and deliver high levels of scalability, survivability, security, and advanced integration capabilities. It is targeted for service providers and large enterprises and contains a number of key features including:

- Intra-system replication for high availability (floating channel licensing with automatic license redistribution upon failure)
- Inter-system replication for business continuity and disaster recovery
- Multi-tenancy for improved management (up to 500 Sites)
- Ability to handle up to 480 fax channels per server
- Distributed SOA architecture with automatic load balancing for increased system scalability
- SQL database scalable to millions of inbound / outbound faxes with easy archiving
- Enhanced LDAP directory integration (i.e., Active Directory, Lotus Domino)
- SSL authentication and encryption between all server modules and clients
- Virtual machine support using VMware and Microsoft Hypervisor

## COMPELLING ECONOMICS

### Provides Substantial ROI
Simple to use and administer, XMediusFAX SP yields considerable and rapid ROI (typically 1 to 6 months), since expensive fax boards and dedicated analog lines are not required.

### Increases Staff Productivity
XMediusFAX boosts productivity by typically 90% over traditional manual faxing, since users no longer need to make time-consuming trips to a fax machine.

### Reduces Telecom Costs
XMediusFAX can reduce telecom costs by up to 90% over traditional faxing. In multi-branch organizations, long-distance fax charges are drastically reduced through XMediusFAX's built-in Least Cost Routing. XMediusFAX eliminates costly analog phone lines, hardware, maintenance and supplies. Organizations can save tens of thousands of dollars a year with XMediusFAX.

### Facilitates Seamless Interoperability and Cost-Optimized Application Integration
XMediusFAX drives business process costs down by seamlessly interoperating with VoIP gateways, IPBXs, voicemail systems (UM/UC applications including Microsoft Exchange 2010), LDAP directories, ECM/ERP applications, and MFDs. Feature rich, open integration tools based on Java/CORBA, XML, web services, and Python scripting technologies enable cost-optimized and tailored application integration.

### TECHNOLOGY PARTNERS
XMediusFAX: Powered by the most advanced FoIP integration for these VoIP platforms:

**CISCO™ DEVELOPER** — Solution

**Alcatel·Lucent** — Application Partner

**AVAYA** DEVELOPER*CONNECTION* GOLD

**OSN** AudioCodes Open Solutions Network

## FLEXIBLE ARCHITECTURE

### Improves Security and Compliance
XMediusFAX advanced user/admin control, management, and encryption features efficiently protect document privacy and facilitate compliance with regulations, such as HIPAA and the Sarbanes-Oxley Act. Sensitive documents in TIFF or PDF format are routed to only approved recipients and designated secure printers / MFDs.

### Enables Advanced Survivability
The XMediusFAX SP Edition provides high availability (HA) as well as a variety of deployment models ranging from disaster recovery (DR) to remote branch survivability ($B_rS$).

### Enables a Future-Proof Investment
As a completely software-based IP fax server solution, XMediusFAX SP Edition is highly scalable by simply licensing extra channels – no extra hardware or third-party kits required. XMediusFAX can also interoperate with fax boards to preserve existing investments in network architecture. It is a future-proof fax server investment that provides an easy migration path to VoIP deployment. Standards based SIP and H.323 support also ensure compatibility with today's and emerging VoIP systems.

## SIMPLE OPERATIONS
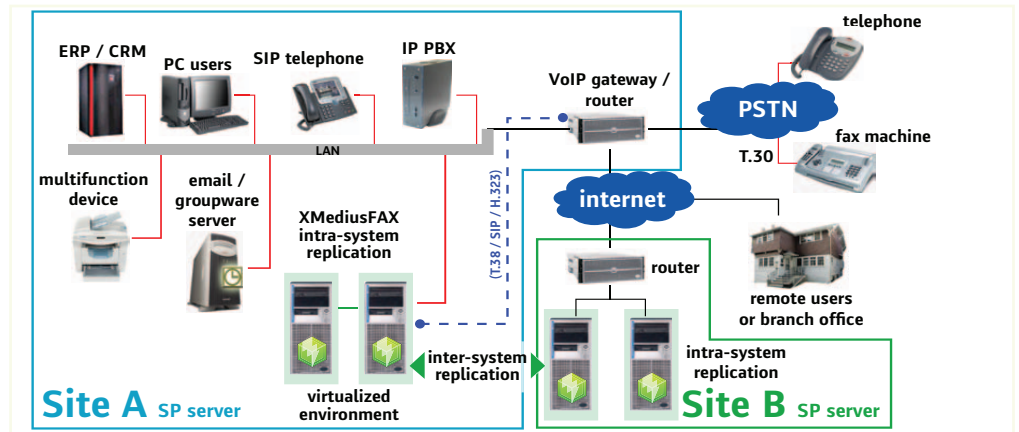
### Faxing Anywhere, Anytime, & from Any Device
In today's increasingly connected and mobile workplace, XMediusFAX software solutions provide users unique operations simplicity in sending and receiving faxes from a wide spectrum of interfaces (i.e., desktop email clients, MFDs, cell phones, etc.) and leveraging powerful web-optimized reporting tools - with guaranteed performance.

### Unleashing the Power of FoIP Driven Green Solutions
XMediusFAX's support for key core technologies including virtualization and T.38 based FoIP permits organizations unprecedented flexibility to rapidly and easily deploy cost-effective and green optimized solutions.



XMediusFAX SP Edition Typical Implementation

**Sagemcom**

# Can UC

**what's missing?™**

**Do not overlook FAX as a strategic component in your UC & converged IP solution.**

## XMediusFAX Service Provider Edition

### Administration

- Comprehensive integration with Microsoft Exchange UM 2010
- Centralized Microsoft Management Console (MMC) or web administrative interface for easy system administration
- Multi-tenancy for improved management (up to 500 Sites)
- Manage faxing, users and Quality of Service (QoS) on a per-site basis
- Simplified user management with enhanced LDAP directory integration
- Delegate site administrators with configurable permissions
- Prevent users from sending faxes simultaneously to the same number
- Network installation support through Windows Installer (MSI) technology
- Thin client support via Microsoft/Citrix Terminal Services
- Number Modification and Least Cost Routing (LCR) tables

#### Automatic Fax Delivery
- Methods: DID, DNIS, ANI, CSID, OCR, Channel and LDAP search
- Destinations: user, email, printer, folder
- Configurable notification templates and attachment filename and automatic page split

#### Monitoring & Reporting
- Monitor all faxes sent, received, or in process, as well as server status
- Live graphical fax port usage monitor and integrated network packet capturing utility
- Email notification of service status events to administrator via SMTP
- Application services status changes logged in Windows Event Log
- System queue monitoring and alerts through SNMP and Performance Monitor (PerfMon)
- Integrated system reporting with a comprehensive set of 20+ built-in reports

#### Supported Document Formats
- Adobe PDF, HTML, JPG, GIF, RTF
- Microsoft Word, PowerPoint, Excel
- Any Windows application that support "Print-To"
- Output to G3 and G4 TIF fax formats in fine and ultra-fine resolutions

### Survivability & Scalability

- Built-in active-active redundancy (intra-system replication) for high availability and data protection
- Off-Site (inter-system) replication for business continuity and Disaster Recovery
- Distributed SOA architecture with automatic traffic load balancing
- Ability to handle up to 480 channels on a single server
- SQL Database scalable to millions of inbound / outbound faxes with easy archiving
- Virtualization ready for enhanced system availability and resources allocation
- Support for multiple T.38 VoIP gateways with redundant dial-plans
- Fax Smart Resume (Resend last successfully transmitted page)

### User Productivity

- Custom forms for Microsoft Outlook and Lotus Notes allow users to select coversheets and modify fax transmission settings
- Fax notifications in HTML or text format, and attachments in TIF & PDF
- Select either individual or broadcast report notifications
- Web-based fax composition and management with integrated phone book (private and public)
- Drag-and-drop transmit using SendFAX
- Rearrange pages; add text insertions, highlights, and stamps to faxes
- Multilingual support & support for international character sets

#### Hardcopy Faxing (MFD)
- Multifunction devices (SAGEM, OKI Printing Solutions, HP, Xerox, Lexmark) with Scan-To-Email or T.37 functionality
- Sagem-Interstar Connectors for eCopy ShareScan OP and Sharp OSA

### Integration

- Business application/process integration using XML or embedded fax codes
- System provisioning and configuration with Java API
- Advanced routing and notification options using Python scripting
- Programmatic system access via Web Services API for .NET and JAVA clients
- Route to Folder with MetaData and XSLT support

### Security

- SSL authentication and encryption between all server modules and clients
- HTTPS for secured Web Client communications
- Built-in Windows Authentication support
- Enforce usage of billing codes
- Restricted destination fax number tables
- Per user/profile security settings (Allow to fax, require password, modify sender information, enforce cover page)

### Supported Environments[1]

#### VoIP Gateways
- Cisco, Avaya, AudioCodes and Alcatel VoIP Gateways

#### Fax Protocols
- ITU T.38 and T.37
- V.34 Super G3[2]
- ECM (Error Correction Mode)
- SIP UDP, TCP, TLS
- H.323, and MGCP (only CUCM)

#### Fax Boards
- Brooktrout TR1034 (analog and digital) and TruFax
- Dialogic Diva Server (analog and digital)

#### Operating Systems
- Virtual machine support (i.e., VMWare, Hyper-V)
- Server: Windows 2008/2003 (32 or 64 bits)
- Client: Windows 7/Vista/2003/XP/2000 SP4

#### Email Server
- Microsoft Exchange 2010/2007/2003
- Lotus Domino 8.5/8.0 and 7.0
- Any SMTP mail server

#### Fax Clients
- Microsoft Outlook 2007/2003 and XP
- OpenOffice.org 3.0/2.0
- XMediusFAX SendFAX client for advanced fax composition
- Any SMTP mail client (i.e., Outlook Express, Eudora and Mozilla)

[1] For complete details please review the XMediusFAX Installation Guide
[2] Only available with dedicated fax board hardware

Distributor/Reseller:

**AMERICAS, ASIA AND OCEANIA**
**SAGEM-INTERSTAR INC.**

5252 de Maisonneuve Blvd. West, Suite 400
Montreal, Quebec H4A 3S5 CANADA
Toll-free U.S./Canada: 1-888-766-1668 or
Tel.: +1 514-787-2100 – Fax: +1 514-787-2111
sales@sagem-interstar.com

**EMEA**
**SAGEMCOM**

250, Route de l'Empereur
92500 Rueil-Malmaison – France
Tel.: +33 (0)1 57 61 10 00 - Fax: +33 (0)1 57 61 10 01
xmedius.sales.emea@sagemcom.com

**SAGEMCOM**
Headquarters

250, Route de l'Empereur
92500 Rueil-Malmaison – France
Tel.: +33 (0)1 57 61 10 00 - Fax: +33 (0)1 57 61 10 01
www.sagemcom.com

**SAGEMCOM**