XMEDIUSFAX® ENTERPRISE EDITION

TECHNICAL SPECIFICATION SHEET

SOFTWARE-BASED FOIP SOLUTIONS FOR ORGANIZATIONS OF ALL SIZES REQUIRING COST-EFFECTIVE ADVANCED APPLICATION INTEGRATION

OPTIMIZING MIGRATION FROM TDM TO VoIP

XMeditusFAX® 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) and versatile multifunction devices (MFDs).

LEADING THE IP FAX SERVER MARKET

XMeditusFAX® is a patented and robust IP fax server solution supporting the secure and standardized T.38 Fax-over-IP protocol and G.711 Fax Pass-Through. Introduced in 2002, XMeditusFAX® is a global leading software-only IP fax server solution that is offered in three application optimized editions, namely, SP for Service Provider, EE for Enterprise, and X for Express.

ENSURING SECURE TRANSMISSION OF HIGHLY SENSITIVE DOCUMENTS

ENTREPRISE EDITION HIGHLIGHTS

The XMediusFAX® Enterprise edition is field proven to manage large fax volumes and deliver high levels of security, advanced integration, monitoring & reporting capabilities and user friendly tools. It is targeted for small and large enterprises and contains a number of key features including:

- Inter-System Replication for business continuity and disaster recovery (requires peering with an SP server)
- Simplified application integration through standardized technologies (i.e. XML, Python, Web Services API)
- Ability to handle up to 300 fax channels per server
- MySQL database scalable to millions of inbound/outbound faxes with easy archiving
- Enhanced LDAP directory integration (i.e., Active Directory, Lotus Domino) with LDAPS support
- Virtual machine support using VMware, Microsoft Hypervisor and Citrix
- Advanced SIP Trunking (T.38 and G.711) and T.38 Fax Relay with fallback to G.711 Passthrough
- Comprehensive inbound fax routing methods for telephony (i.e., DID, CSID) and character recognition based (i.e., OCR, barcodes) solutions
- Fax deletion options for zero retention to comply with strict data security policies
- Advanced traceability through an event log tab for complete fax audit
- Mobile app optimized for iPad and iPhone

XMediusFAX® ENTERPRISE EDITION TYPICAL IMPLEMENTATION
COMPELLING ECONOMICS

Providing Substantial ROI Results and Benefits
Simple to use and administer, XMediusFAX® Enterprise yields considerable and rapid ROI, since expensive fax boards and dedicated analog lines are not required.

Increasing Staff Productivity
XMediusFAX® boosts productivity over traditional manual faxing, since users no longer need to make time-consuming trips to a fax machine.

Reducing Telecom Costs
XMediusFAX® significantly reduces telecom cost 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 make significant and recurring savings each year.

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

ENTERPRISE GRADE SOLUTIONS

Improving 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/MFPs. Faxes can be tracked through an event log tab, making it easy to monitor all system events and user/administrator actions related to a single fax. Thanks to fax deletion options for zero retention, faxes can be deleted immediately after successful delivery.

Enabling Survivability
The XMediusFAX® Enterprise edition can benefit from disaster recovery (DR) when peered with an XMediusFAX® Service Provider edition server.

Enabling a Future-Proof Investment
As a completely software-based IP fax server solution, XMediusFAX® Enterprise 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. Advanced T.38 and G.711 SIP Trunking (including T.38 Fax Relay with fallback to G.711 Passthrough) and H.323 support also ensure compatibility with today’s 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, MFPs, mobile app optimized for iPad and iPhone, 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 FoIP permits organizations unprecedented flexibility to rapidly and easily deploy cost-effective and green optimized solutions.
Administration

XMediusFAX® boosts productivity over traditional, manual faxing:

- Comprehensive integration with Microsoft Exchange
- Centralized Microsoft Management Console (MMC) or web administrative interface for easy system administration (Administrative Technology Optimized)
- Multi-tenancy for improved management, up to 20 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
- Network installation support through Windows Installer (MSI) technology
- Thin client support via Microsoft/Citrix Terminal Services
- Configurable time zone at user and site level

Automatic Fax Delivery

- Methods: DID, DNS, ANI, CSID, OCR, Channel and LDAP search
- Destinations: user, email, printer, folder
- Configurable notification templates and attachment filename and automatic page split
- Barcode reading
- DTMF code support for SIP protocol (inbound/outbound)

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
- Administrative audit logging and application services status changes logged in Windows Event Log
- System queue monitoring and alerts through SNMP and Performance Monitor (PerMon)
- 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 supports “Print-To”

Survivability & Scalability

- Off-Site (Inter-system) replication for business continuity and Disaster Recovery
- Distributed SOA architecture with automatic traffic load balancing
- Ability to handle up to 300 channels on a single server
- MySQL database scalable to millions of inbound/outbound faxes with easy virtualization
- Email notification of service status events to administrator via SMTP
- Administrative audit logging and application services status changes logged in Windows Event Log

Supported Environments

- VoIP Gateways
  - Cisco, Avaya, Audiocodes and Alcatel VoIP Gateways
- Fax Protocols
  - H.323, ITU-T G.711, ITU-T G.711 Fallback
  - V.34 Super G3
  - ECM (Error Correction Mode)
  - SIP UDP, TCP, TLS
  - h.323 and MGCP (only CUCM)
- Fax Boards
  - Brooktrout TR1034 (analog and digital) and TruFax
  - Dialogic Dina Server (analog and digital)
- Operating Systems
  - Virtual machine support (i.e., VMware, Hyper-V, Citrix)
  - Server: Windows 2012/2012 R2/2008/2008 R2 (32 or 64 bits)
  - Client: Windows 7/8/10
  - Microsoft SRE-V / UCS Express
- Email Server
  - Microsoft Exchange 2010/2013/2016
  - Microsoft Exchange Online
  - Lotus Domino 9.0.0.59.0
  - Any SMTP mail server
- Fax Clients
  - Microsoft Office 2016/2013/2010/2007 (32 or 64 bits)
  - OpenOffice 4.0.3/4.2.3/3.3.2/3.2.4
  - Outlook 2010/2013/2016
  - XMediusFAX® SendFax client for advanced fax composition
  - Any SMTP mail client (i.e., Outlook Express, Eudora and Mozilla)
  - Microsoft Office Internet Fax Service Integration

Web Browsers

- Microsoft Internet Explorer 9.0+
- Microsoft Edge
- Mozilla Firefox 3.6+
- Google Chrome: all latest versions
- Apple Safari 5.0+

Integration

- Business application/process integration using XML or embedded fax codes
- Advanced routing and notification options using Python scripting
- Programmatic system access via Web Services API for .NET and J2EE clients
- Route to Folder with MetaData and XSLT support
- XMedius connector for SharePoint 2010/2013
- T.38 and 6.711 SIP Trunking and T.38 Fax Relay with fallback to G.711 Passthrough

Security

- Encrypted Fax Transmission over SMTP
- SSL authentication and encryption between all server modules and clients
- HTTPS for secured Web Client communications
- Built-in Windows Authentication support
- Support for LDAP over SSL (LDAPS)
- 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)
- Fax deletion option for zero retention

Supported Document Formats

- Adobe PDF, HTML, JPG, GIF, RTF
- Microsoft Word, PowerPoint, Excel
- Any Windows application that supports “Print-To”

User Productivity

- Mobile iOS and Android support
- Custom forms for Microsoft Outlook and Lotus Notes allow users to select cover sheets and modify fax transmission settings
- Fax notifications in HTML or text format, and attachments in TIFF, PDF, or searchable PDF
- Select either individual or broadcast report notifications
- Web-based fax composition and management with integrated phone book (private and public)
- Built-in viewer in the web interface
- Drag-and-drop transmit using SendFax
- Rearrange pages, add text insertions, highlights, and stamps to faxes
- Multilingual support & support for international character sets
- Available languages include English, French, German, Spanish, Italian, Portuguese, Russian, and Chinese
- Drop multiple files to remote servers via standard Internet file transfer protocols (FTP, SFTP, FTPS/SCP/FTPP)
- Delayed / Scheduled Faxing
- User Fax Box Delegation
- Fax auditing through event log
- Advanced sorting features for fax lists
- Outbound SMS Relaying Service to securely send notifications and short messages
- User account monitoring
- Print to web fax composition
- HTML5 & CSS3 web-ready interface

Faxing to remote printers

- SMTP: for any printer configured to receive print jobs (with either TFF or PDF attachment) via email address.
- HP ePrint: for Internet printers compatible with the HP ePrint service (receiving print jobs via their email address).
- Xerox Mobile Print: for Internet printers compatible with the Xerox Mobile Print service (receiving print jobs via their email address).
- Google Cloud Print: for Internet printers compatible with the Google Cloud Print service (either natively or using the Google Cloud Print connector).

Hardcopy Faxing (MFD)

- Platform specific - via XMedius connectors
- Xerox Extensible Interface Platform (EIP) 2.02/5.0/3.0
- Ricoh ESC Sdk
- eCopy ShareScan 5.0
- Sharp iUOA 4.1
- Fuji Xerox Apeos 5.0
- Logitech EasyShare 4.1

- Via standard interfaces
- T.37
- T.38
- T.4
- T.42
- ITU-T T.38
- ITU-T T.37
- ITU-T G.711 and G.711 Fallback
- ITU-T V.34 Super G3
- ITU-T V.35
- ITU-T V.36
- ITU-T V.37
- ITU-T V.38
- ITU-T V.39
- ITU-T G.711 and G.711 Fallback
- ITU-T G.728
- ITU-T G.712
- ITU-T G.723
- ITU-T G.726

- Built-in Windows Authentication support
- HTTPS for secured Web Client communications
- Built-in Windows Authentication support
- Support for LDAP over SSL (LDAPS)
- 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)
- Fax deletion option for zero retention

For complete details please review the XMediusFAX® Installation Guide

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