

XMediusFAX AXP Edition – Release Notes

Version: 6.5.0

Release Date: March 2010

Thank you for your interest in Sagem-Interstar. This document explains the evolution of XMediusFAX from previous versions. It describes the new features introduced and lists those that were changed. System requirements and supported hardware are available in the XMediusFAX Installation and Maintenance Guide.

About XMediusFAX

XMediusFAX is Sagem-Interstar's advanced fax server solution built on the public standard T.38 Fax over IP (FoIP) protocol. Introduced in 2002, it is the world's leading and first software-only IP fax server solution. The XMediusFAX server connects directly to leading VoIP gateways such as those from Cisco, Avaya, AudioCodes and Alcatel and can interoperate with fax boards to preserve existing investments in network architecture. XMediusFAX is fully compliant on both Windows and Cisco AXP (Linux) platforms and interoperable with solution partner products of leading network application providers such as Citrix, IBM (Lotus), Microsoft, Novell, SAP, and VMware.

As an industry leading IP fax solution, XMediusFAX is offered in 4 editions, namely :

- **SP** Edition for Service Provider
- **EE** Edition for Enterprise
- **X** Edition for Express
- **AXP** Edition for use within the Cisco Integrated Service Router (ISR)

Each edition offers specific features pertaining to the faxing requirements of a given deployment scenario. In all cases, the XMediusFAX fax server software solutions ensure all customers of enhanced productivity, streamlined operations, lower total cost of ownership, and the benefits of operating within a virtualized environment, while facilitating "going green" by enabling a customer's migration to VoIP based network infrastructures.

New Features and Benefits

Exchange 2010 UM Integration

The Exchange 2010 Unified Messaging (UM) integration replaces the built-in support for fax which has been removed from Exchange 2010. Users with UM-enabled mailboxes continue to receive faxes sent to their phone number, Exchange 2010 UM forwards the calls to XMediusFAX which receives the faxes on behalf of UM and delivers the fax to the user's mailbox. A Microsoft Certified Partner Fax Solution, XMediusFAX provides Exchange 2007/2010 UM customers additional functionality such as outbound faxing, previously unavailable, while users continue to get their faxes delivered to their unified mailboxes together with their email and voicemail.

Web Phonebook

The centralized Web phonebook is an integrated fax contact management tool allowing users to manage and easily access their contacts. Every user has a private address list while corporate contacts, controlled by Administrators, give the additional benefit of shared contacts. Accessible via the WebClient, contacts are accessed using the search-as-you type capability or by an intuitive management interface. In addition, contacts are accessible on MFP's (read-only, via LDAP) and may be imported using a CSV file. An integral part of the XMediusFAX database, contacts are replicated via Inter-System replication and Intra-System replication schemes, thereby ensuring contact availability.

Integrated System Reporting

Integrated system reporting provides System and Site administrators key metrics such as success/failure rates and system usage through a comprehensive set of 20+ built-in reports. Accessible from the WebAdmin, these reports replace the existing Crystal Report samples and are supplied with a report designer (BIRT) in order to create customized reports. Integrated system reports streamline management, facilitate monitoring and decrease system management.

Branch Survivability

Branch Survivability is the ability to establish a local faxing instance at a branch location in the event of a centralized fax server or WAN link failure. Business continuity is provided by leveraging existing Cisco Integrated Services Router (ISR) capabilities and Inter-System replication to automatically detect failures and redirect traffic to the local XMediusFAX AXP branch instance while providing access to a user's faxes (sent/receive) at all times.

Software Internationalization

XMediusFAX Windows clients (SendFAX, TIF Viewer, Cover Sheet Editor, fax macros & Phonebook) are now available in all 6 languages: English, French, German, Italian, Portuguese and Spanish. Client interfaces may be installed in any of the supported languages and are loaded in accordance to the user's system regional settings or switched per the user's specific language requirements.

Also, user guides and online help topics now exist in their full version in all 6 languages (no more mini-user guides).

SIP TCP and SIP TLS

SIP over TCP is now supported for call signaling in addition to SIP over UDP. A requirement for Exchange UM 2010 integration, SIP TCP provides reliability when using SIP Trunks and increases deployment flexibility by supporting a larger range of VoIP Gateway configurations. For additional security, call signaling can also be encrypted using SIP TLS (Transport Layer Security) however media (T.38) remains unencrypted.

SMTP TLS

SMTP TLS encrypts both fax notifications and inbound SMTP messages used for sending faxes and is of particular interest when integrating with hosted email. Using an intermediary solution, such as Microsoft IIS (Internet Information Services) SMTP Virtual Server, SMTP communications can be secured between IIS and the email system.

Improved Driver Configurations

All available Driver configurations, including SIP, H323, T.38 and fax board settings are now easily configured in the Administrative MMC or Web Administrative interface, facilitating configurations and troubleshooting. Existing configurations specified through registry keys will be migrated into the new interface during upgrades and the registry keys themselves will become obsolete.

Changes in this Release

Printer Notification Destinations Support

It is now possible to define and notify printer destinations allowing faxes to be automatically printed by XMediusFAX. This requires to install the concerned printers through the Common Unix Printing System (CUPS) in order to make them available from XMediusFAX.

Advanced Number Modification

The Number Modification Table now supports fax properties, inserted as placeholders that will perform dynamic replacements depending on properties of the sender (or its profile, its site).

This capability can be helpful when customers need to add routing information to the fax number, if the peers of their drivers can be configured to route faxes depending on certain suffixes or prefixes.

Directories Integration: LDAP Rules and NT Users

NT account lookup is now configurable through LDAP Rules of the Directories Integration feature.

This allows users to access the XMediusFAX Web interface or the SendFAX client without authenticating themselves (automatic NT authentication).

RTP CNG Tones Support

Transmission of CNG tones over RTP is now supported in the G711 and G729 codecs.

Product Distribution

XMediusFAX is now distributed as a single product without specification of the Edition (SP, Enterprise, Express). This means that the XMediusFAX distribution DVD and the whole XMediusFAX documentation are the same for all editions.

However, the SP, Enterprise and Express Editions remain available and independent in terms of packaged licenses that you can purchase.

Deprecated LDAP Routing Rules

LDAP Routing Rules were already deprecated from a previous release of XMediusFAX but the existing ones were not deleted even on upgrades of the product and were still usable.

From now on, LDAP Routing Rules are simply deleted when customers upgrade XMediusFAX. This means that customers must recreate an equivalent configuration by using Directory Integration.

Crystal Report and MyODBC

Crystal Report and MyODBC are no longer distributed with XMediusFAX. Existing reports that were used with previous versions of XMediusFAX are no longer supported.

Reports are now available through a new integrated feature (see [Integrated System Reporting](#) on page 2).

New/Updated Third-Party Software

- MySQL, required by and provided with XMediusFAX, has been updated to version 5.0.86.
- Birt 2.5.0 is now part of the third-party software provided with XMediusFAX for the new integrated reporting feature. It is composed of:

- the Birt Engine, installed by default with XMediusFAX and used to execute reports, and
- the Birt Report Designer, to install manually when customers wish to modify the report templates.
- The Elan Converter (used by XMediusFAX for rasterization) has been updated to version 4.01.

Database Schemas Available

The XMediusFAX database schemas are now available in the Documentation folder of the distribution CD (PDF in english only).


Documentation

There are four XMediusFAX AXP Edition manuals. They are in PDF format:

Guide	Available Languages
XMediusFAX <i>Installation and Maintenance Guide</i>	English and French
XMediusFAX <i>Administrator Guide – Windows</i> (for the MMC Snap-In)	English and French
XMediusFAX <i>Administrator Guide – Web</i> (for the Web interface)	English and French
XMediusFAX <i>User Guide</i>	English, French, German, Spanish, Italian and Portuguese

These documents are available:

- on the installation CD, in the `Documentation` folder
- after installation on the server, under `Doc` in the installation folder
- on our website: <http://downloads.faxserver.com>

 **Note:** Another PDF showing the *Database Schemas* is also available in English (on the installation CD only).

Supported Features and Requirements

Additional/Updated Support

The following items have been **added** to this release of XMediusFAX:

- Cisco AXP 1.5.2
- Cisco SRE Modules: SM-SRE-700-K9 and SM-SRE-900-K9
- Windows 2008 R2 (IIS 7.5)
- Windows 7 (IE 8.0)
- Firefox 3.5
- Exchange 2010
- Lotus Notes & Domino 8.5
- ECopy ShareScan OP 4.2
- Dialogic DMG 2030 (Version 6.0)
- Mitel 3300 IP Communication Platform (Version 9.0)

The following items are **no longer supported** by this release of XMediusFAX:

- Cisco AXP 1.1.1
- Lotus Notes & Domino 6.0
- Firefox 2.0
- Brooktrout TR114 fax boards


Full Requirements Lists

To know the full lists of installation requirements and supported features regarding this release, please refer to the XMediusFAX *Installation and Maintenance Guide*, in the following sections:

- Server Requirements (hardware and software)
- Client Requirements (hardware and software)
- Communication Peripherals (supported Mail Servers and T.38 (VoIP) Gateways)

Installation and Upgrade Instructions

Before any XMediusFAX installation or upgrade, please review the XMediusFAX *Installation and Maintenance Guide*.

 **Attention:** The installation package files are different depending on the type of Cisco Module on which you install or upgrade XMediusFAX (SM-SRE or NME-APPRE Module). These files are located in different and clearly identified subfolders under the `Server` folder of the XMediusFAX distribution CD. Be careful to select the correct package.

Server Upgrade

- Backup:

It is strongly recommended to create a backup of your system before upgrading.

All the instructions are in the XMediusFAX *Installation and Maintenance Guide*.

- Minimum eligible and supported version(s) for an upgrade to version 6.5.0:

- XMediusFAX 6.0.0.146 AXP Edition

- License:

After the upgrade, you may need to install a new XMediusFAX license (please contact our Support team for more information).

Please contact our Support team (see the section: [Contact Us](#) on page 11) if you have any issues with the upgrade or if your current version of XMediusFAX does not appear in the list of eligible versions.

Clients Upgrade

Any and all Microsoft Management Consoles (MMC) for XMediusFAX that are deployed must be upgraded to this version.

It is also strongly suggested to upgrade all XMediusFAX clients, including SendFAX and the Outlook/Notes forms although they are backwards compatible.

Fixed Issues

All the following issues have been fixed in this release (6.5.0).

Defect Number	Component	Summary
11858	Installation	Installation (FR) >> Some messages(above the progress bar) are still in english
11859	SMTPGateway	Outlook Forms FR >> Date format in the "Date soumission", "Date émission" and "Date réception" fields is in english
11862	Fault Tolerance	Fault Tolerance Replication Timeout needs to be revised (too long)
12191	NotesForm	When a user submits many attachments using the Lotus Notes Form, only the first attachment is taken
13619	Other	Some UI strings need to be translated in ES, PT, DE and IT for the Broadcast Notification feature
13697	MMC	The "Update coversheet" operation does not delete the original file from the MediaStore
13773	SNMP Agent	AXP Edition - SNMP > On linux, a Hex-String is returned on a WalkMiB cmd. The Hex-String seems to be invalid.
13838	Other	AXP Edition >> Cannot configure a printer for use with Route to Printer
13919	Other	The FaxArchive and CoConfig logs do not show the accurate files versions
14009	MMC	Downloading a fax tiff file should be done in smaller chunks (MMC)
14010	Web Administration	Downloading a fax tiff file should be done in smaller chunks (Web Administration)
14011	Web Service	Downloading a fax tiff file should be done in smaller chunks (Web Services)
14189	SendFAX	Cover Sheets caching needs to be reviewed when using SendFax on a workstation in order to free disk space
14207	Config Manager	Message: "Unable to contact the system" appears when the limit is exceeded while the incoming routing table searches users from LDAP source
14208	Config Manager	Message: "Sizelimit exceeded" is returned by the Config Manager during a search of users from LDAP source (while 111 users respect the filter condition)
14303	Fax Archive	FaxArchive and Coconfig expose their DNS name in IORs (rather than their IP addresses)
14387	Web Client	When switching between tabs (queue and histories), queries to get the record count and the fax records are made twice to the FFM (and thus twice to the archive)
14581	Config Manager	ConfigManager gives default values for unused and deprecated LDAP properties stored in the Sites Incoming Routing Table
14591	Company Config Manager	Coconfig: Broadcast Notification Template needs to be adjusted (bad column alignments)
14609	Driver	Driver hangs when an H323 message containing a large "cause" information element is received
14618	Installation	The PclToFax virtual printer does not work on Windows 2008 EN 64bits
14619	SendFAX	Coversheet comments appear in SendFax if "Include Message Body When Sending Fax" is not enabled under profile properties
14630	PhoneBook	When starting the Phone Book, a pop-up is displayed asking to convert database
14649	Driver	Driver: Mutple pages have been submitted, only 1 page has been sent, but no error has been reported
14664	Driver	Charging: The Local Host FQDN is not returned

Defect Number	Component	Summary
14712	Driver	When responding to a SIP Authentication challenge, the TO tag from the response should not be included in the request
14720	Rasteriser	Rasterizer >> The tiff converter rejects lanscape tiffs
14721	SMTPGateway	XMSmtpGateway has a memory leak
14724	Driver	The FaxDriver crashes when stopping the service (H.323 peer)
14727	XML Gateway	The LfApi File Filter does not handle all errors correctly
14732	Driver	The H.323 Driver Crashes when the incoming call is refused by the Fax Manager
14749	SMTPGateway	SMTP Gateway >> Attachments are not parsed correctly (extension not parsed)
14770	MMC	The MMC Snap-in crashes when the administrator tries to add or edit a direct routing rule after having used the Test Routing Table feature
14783	Config Manager	Directories Integration >> External users can be assigned to the wrong site
14789	NotesForm	Notes Form >> when selecting a recipient from the Notes address book, there is no space between the First name and the Middle name (on the cover sheet) when the fax is sent
14803	Other	The XMediusFAX performance counters are not available if the language for non-unicode programs (Regional and Languages Options Advanced tab) is set to other than english
14833	SMTPGateway	SMTP Gateway >> a blank embedded email body seems to cause the rendering to fail
14874	Other	MMC & Web Administration >> "Notification Profile" should be renamed to "Mail Notification Profile"
14885	PhoneBook	Phonnebook/SendFax >> Error #80004005 - Microsoft Office Access Database Engine cannot open or write in the <C:\tempdb.accdb> file
14889	Web Administration	The Web Administration displays a blank page when no more tiff is related to the fax
14892	Other	The CoConfig upgrade should cleanup the table Version if needed
14907	OutlookForm	Error message "the form doesn't exist" from the Outlook form when clicking on Forward
14921	Driver	SIP Driver >> The Driver is crashing because of a handle leak on the SIP transaction data
14947	Driver	The CNG signal is not sent in the RTP message
14953	SMTPGateway	The XMSmtpGateway is unable to parse the attachment extension from .MSG
14955	MMC	The internal users list does not show up within the MMC snap-in
14956	SMTPGateway	A leak on the smtp gateway is causing a fragmentation
14963	SMTPGateway	SMTP Gateway >> when the rasterization fails, notification cannot be sent due to error 70010
14973	MMC	MMC/WebAdmin/ConfigManager >> The node names under the Access Rights of Site Administrators need to match the actual node names displayed in the mmc/webadmin
14974	Config Manager	French translation is incorrect: in faxing profiles, "Delai d'attente avant soumission du fax (en minutes):" is not the translation of "Submitted Fax Timeout (min):"

Defect Number	Component	Summary
14975	Config Manager	French translation contains an error >> "Utiliser les notifications de courrier électronique par SMTP compatibles DNS(RFC 1894)" --> DNS must be replaced by DSN
14976	Config Manager	French translation is incorrect >> In printer destination, for paper selection, "Utiliser l'imprimante par défaut" should be "Utiliser les paramètres de l'imprimante"
14986	Driver	SIP Driver>> the CNG tone in the G.711 stream is not 'clean' enough for the far end to detect it
14992	MMC	The mmc.exe process does not close after performing add/remove/modify operations from a site administrator session and exiting the application
14995	SendFAX	SendFax crashes in Windows Vista when a big attachment is sent
14998	SMTPGateway	The SMTP Gateway Freezes when it receives a message whose subject field contains non-ASCII characters that are not encoded
15047	Web Administration	Web Administration >> the error message returned does not correspond to the message in the "peer system" MMC
15048	Web Client	Web Compose >> The animated logo when submitting a fax needs to be changed
15128	Web Administration	The Site Web Administration fails when the Site Administrator has only monitoring rights.
15134	Fax Archive	Offsite Replication >> Possible loss of data if some faxes are tagged "viewed" or "deleted" in the web client
15210	Driver	SIP Driver leaks event and thread handles
15288	Fax Archive	FaxArchive >> The Deletion Policy takes too long to empty sites (zero files to be deleted)
15308	Driver	T.38 Driver >> There is a memory leak that may lead to crash on the long term
15317	Driver	The order of the codecs offered in SIP call cannot be changed
15318	Rasteriser	Rasterizer >> The TIF file produced from an HTML attachment corresponds to another HTML attachment from a previous job that was reported as failed
15354	Other	Review how the FeedbackDestination property works in the gateways (and adapt SendFax and the file filters to work with it)
15409	OSA Connector	The OSA Connector does not work with the Sharp MX-M550N MFD
15438	Driver	XM 6.5 Release - Private KB leaks at the XM driver level (H323)
15441	Config Manager	French translation for "ANI" in site routing table is incorrect ("Enregistrement automatique des numéros (ANI)correspondant")
15448	Driver	T.38 Driver >> A packet with zero length data field causes the driver to stop receiving and release the call
15475	Web Service	The Apache server crashes (6.5)
15482	Web Client	Webclient >> Incorrect translation in French when a fax fails: "Failed" --> "Echec"
15498	Config Manager	Memory leak in the XMConfigManager
15516	Rasteriser	The XMDocumentRasterizer should no refresh its reference to the MediaStore on each attempt to retrieve the coversheet file

Defect Number	Component	Summary
15542	Other	Driver Recovery Mechanism >> There is a possibility to loose inbound faxes in a specific sequence of events where the driver is stopping after the call term and before delivering the inbound fax to the Fax Manager (because the driver deletes its xml file)
15552	Web Administration	WebReport: can not generate reports for a large data base: Exception: java.lang.ClassCastException:java.lang.OutOfMemoryError
15560	Other	Fax Macro for Word 2007: the "Send Fax" feature (available in the MS Word 2007 "Fax" menu when Fax Macros are installed) does not add to the fax any picture that is embedded in the original document.
15562	Web Administration	WebReport: processing time is too long (especially for Hourly Usage report)
15564	Other	HostMonitor port busy causes services to crash (on Linux)
15567	Driver	TT#15559 for 6.5-When an inbound call hangups before T.38 is completed, we may continue to send T38 data to the gateway on a port that it thinks has released. If it reuses this port for another call, chances are that two T.38 streams will collide
15629	Viewer	Viewer >> Wrong height displayed in the Page Properties window for low resolution tiffs
15630	Other	Processing 2 files to quickly by a file filter could cause a failure of the second file
15632	SMTPGateway	SmtPGateway logs: enhance error message when message is rejected by mail server
15633	SMTPGateway	The 1 minute delay that the SmtPGateway allows for the "250-Queued mail" response to the DATA section may be calculated from the begining of the submission instead of the end. It may become impossible to deliver large messages over the network.
15658	Driver	SIP Driver doesn't handle properly transactions with stateless SIP proxies
15665	Installation	PublishForms cannot create the Organizational Forms Library (for each language) on Exchange 2010
15674	Config Manager	XMConfigManager crashes after some minutes when "offsite" and "backup" XMF services are stopped (Inter- and Intra-System Replication context)
15754	Media Store	MediaStore>> Keeping files from MediaStore open for too long causes problems when the "Data" folder is on a NAS server
15759	Driver	SIP Driver handle leak
15788	Driver	SIP Driver >> Channel stuck in "Ready to receive" status
15802	Driver	XMFaxDriver >> the Pause generated by one comma is too long (3.5+ seconds per comma)
15804	SendFAX	SendFax >> Unable to connect to the server through a proxy that requires NTLM authentication
15812	Rasteriser	The functionality that kills lingering processes in the rasterizer is broken in 5.5.1.71 (hotfix), in 6.5.0 (release) and over
15824	Other	PCL to Fax>> PclMon fails to rename .tmp file to .pcp with error 183
15848	Driver	SIP Driver>>Must be capable of receiving SDP with a connection address of 0.0.0.0

Known Issues

- Web Compose & Phone Book: The auto-complete feature only searches for values beginning with the user input (no in-string search). (Defect number 15586)

Known Limitations:

- The default installation of Samba does not allow XMediusFAX to access files and folders outside the AXP environment. The application's ability to notify folder destinations and pickup control files (XML File polling) is limited to the local hard drive. The default configuration of Samba does however allow for remote Windows servers to retrieve fax images and deposit control file onto the AXP's hard drive.
- XMediusFAX AXP Edition is unable to convert PCL documents and therefore the integration using embedded PCL codes (PCLtoFAX) is not part of this release.
- The ability to use optical character recognition software (OCR) continues to be available but the preferred OCR engine, Transym, is unavailable for the AXP environment. Research to find a suitable OCR engine that meets the application's requirements is currently underway.

Feature Requests

Let Sagem-Interstar know what features you would like to see in the next version of XMediusFAX.

You may email feature requests to us at the following address: featurerequests@sagem-interstar.com.

About Sagem-Interstar

Sagem-Interstar Inc. is the global leader in advanced fax server solutions for IP networks. Its field-proven XMediusFAX™ leverages IP telephony and Unified Communications systems to enhance productivity, collaboration and ROI by integrating fax on the desktop. Deployed worldwide in enterprises and service provider sites since 2002, XMediusFAX is the most mature T.38 Fax over IP (FoIP) software on the market. As the North American subsidiary of Sagemcom, Sagem-Interstar with its globally recognized excellence in delivering scalable, secure, and survivable FoIP solutions, is empowering businesses to fulfill the compelling promise of UC.

For more information, visit the Sagem-Interstar website at www.sagem-interstar.com.

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