

OPENTEXT RIGHTFAX 16.6

PORTS AND PROTOCOLS

This document contains an overview of
the ports and protocols for RightFax 16.6.

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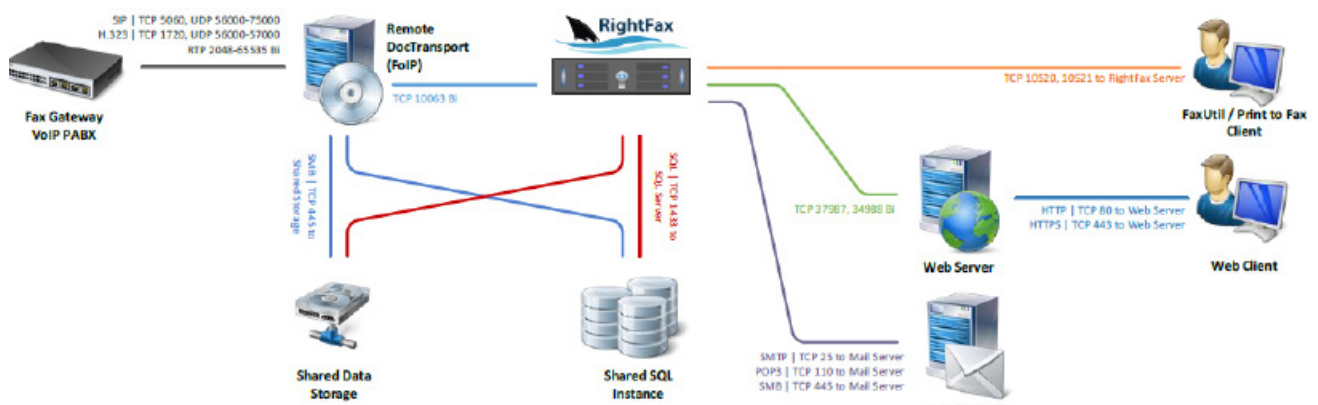
TCP/IP PORTS

TCP/IP ports are used by RightFax and related client applications and services. Some processes, such as the RightFax System Tray icon (FaxCtrl) on client computers, can also be configured to use Named Pipes or IPX/SPX.

Some of the TCP/IP ports listed below are specific to RightFax software. Others, because RightFax integrates with a number of third-party applications, are industry-standard ports (for example, used by SMTP or FTP). RightFax services and applications are described in the tables below. Information is grouped under the following headings:

Service or Application	Component name (source)
File Name	Associated executable file
Protocol	ISO/OSI transport layer protocol (TCP/UDP)
Source Port	Application source port
Destination Service or Application	Service or application communicated with
Destination Port	Destination port

Bidirectional communication is required for most connecting devices. If you use unidirectional firewall rules, test to ensure proper functionality between the client and server components.



RIGHTFAX CLIENT SERVICES AND APPLICATIONS

Service or Application	File Name	Protocol	Source Port	Destination Service of Application	Destination Port
RightFax Queue Handler	Porthand.exe	TCP	53199	Listens for traffic from HPFAX queue on the main RightFax application server	Dynamic
RightFax RPC Server Module	faxrpc.exe	TCP	10520-10521	Listens for traffic from other RightFax module	Dynamic
RightFax Doc-Transport Module	DocTransport.exe	TCP	10062	Listens for traffic from the Rightfax Server module	Dynamic
NOTE: In remote DocTransport Servers, the service access network file shares on the shared data location using standard Windows networking					
RightFax Remoting Service	RightFax.Api.Remoting.Service.exe	TCP	34987 34988	RightFax Web Access tools (WebUtil, WebEFM) DBPURGE.EXE, EDC, and Outlook 2010 Plug-in	34987 34988
RightFax eTransport Module	Mimesend.exe	TCP	Dynamic	Configured SMTP server	25 (SMTP)
RightFax Web Access server components (WebUtil, WebEFM)	IIS plug-ins	TCP	80/443	The listening port depends on Windows IIS settings. Communicates with RightFax Server services.	10520-10521 34987-34988

CLIENTS

Service or Application	File Name	Protocol	Source Port	Destination Service of Application	Destination Port
RightFax FaxUtil	Fuw32.exe	TCP	Dynamic	RPC Server Module	10520-10521
RightFax System Tray Icon	FaxCtrl.exe	TCP	Dynamic	RPC Server Module	10520-10521
	EFM.exe	TCP	Dynamic	RPC Server Module	10520-10521
Print-to-Fax (to local fax printer driver)	Windows printing subsystem	TCP	Dynamic	Uses Windows printing subsystem (network print)	NetBIOS or DNS/IP and SMB
RightFax Web client (Webutil or WebEFM)	Server application hosted by IIS	TCP	Dynamic	Web client plug-in hosted by IIS	80 443 (for SSL)

RIGHTFAX EMAIL GATEWAYS

Service or Application	File Name	Protocol	Source Port	Destination Service of Application	Destination Port
SMTP/POP3 Mail	Smtpgateway.exe	TCP	110 (POP3) 25 (SMTP)	Configured POP3 server Configured SMTP server	110 (POP3) 25 (SMTP)
Exchange Gateway	Exchgateway.exe	TCP	445	Services retrieve from and copy to network shares using Server Message Blocks (SMB)	445

FAX OVER IP

Port	Type	Purpose
5060	UDP	Initial Document Created
56000-57000	UDP	UDP ports for FoIP traffic (configurable)