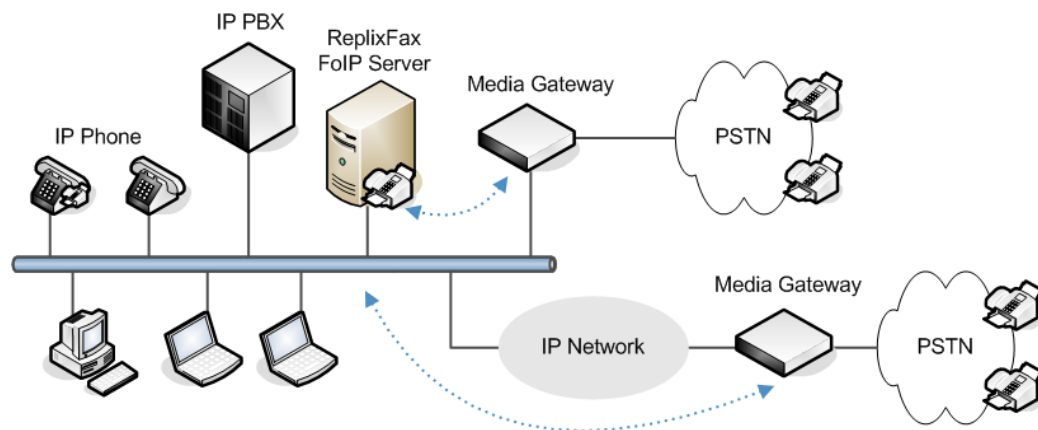# ReplixFax® | Fax over IP

Softlinx' ReplixFax T.38 Real-time Fax over IP (FoIP) solution allows you to consolidate all your fax communications over an IP network leveraging your Voice over IP (VoIP) deployment for immediate cost savings and productivity gains.



*If you have a VoIP network with Media Gateways supporting T.38 real-time fax, Softlinx' ReplixFax Fax over IP (FoIP) solution can consolidate all of your organization's fax messaging needs in a single, centralized environment. The ReplixFax FoIP solution supports both software only and fax board based solution, and offers Server Virtualization and "Out-of-the-Box" Fax Server Clustering capabilities to deliver unmatched reliability, scalability and performance.*

## How It Works

Implementation of Fax over IP requires a ReplixFax FoIP system, Voice over IP network with proper configuration of T.38 media gateways that support Session Initiation Protocol (SIP) or H.323 call control. The T.38 media gateway acts as a bidirectional bridge between the PSTN and IP networks. It sends and receives traditional T.30 fax protocol data wrapped in T.38 IP fax packets between two fax device end-points internally within an IP network, while externally it sends and receives T.30 fax signaling over the PSTN.

T.38 support for a real-time IP fax server is available from a class of intelligent fax boards such as Dialogic® Brooktrout® TR1034 or software-only solution such as Dialogic® Brooktrout® SR140 fax software. The ReplixFax FoIP fax server supports both options. In either configuration, the ReplixFax fax server communicates with network equipment such as IP PBX, routers or media gateways that support T.38 Fax over IP protocols and SIP or H.323 call control.

## Key Features and Benefits

- Supports both software only and board based solution using Dialogic® Brooktrout® SR140 FoIP driver software or TR1034 fax boards
- Interoperable with all major VoIP media gateways, routers and IP PBXs
- Supports "Out-of-the-Box" Fax Server Clustering Configuration and Fax Server Virtualization
- Easy to install, configure and monitor via a secure web based administration interface
- Distributed, open system architecture
- Runs on multi-vendor server and OS platforms
- Cost savings via reduced long distance and international toll charges, analog fax ports and PBX related costs
- Consolidation of network infrastructure to manage voice, fax and data on a single, converged network
- Better utilization of fax server capacity and resources via a single, centralized system
- Ease of deployment for enterprise-wide fax service including disaster recovery
- Elimination of fax hardware dependency

## TACTICAL DIGITAL

## Softlinx®

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Springfield, VA 22152
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Fax: 1-703-924-6109

## Fax Server Clustering and Virtualization

The ReplixFax Fax over IP (FoIP) solution is optimized for a large scale, centralized deployment of an enterprise-wide fax messaging system over a Voice over IP network. The ReplixFax system supports "Out-of-the-Box" Fax Server Clustering and Virtual Fax Server through server virtualization. Fax Server Clustering offers scalability, reliability and performance to serve most demanding business fax communication requirements. Furthermore fax server virtualization provides efficient server utilization, fast disaster recovery and overall cost savings.

## Dialogic® Brooktrout® SR140 Fax Software

The Dialogic® Brooktrout® SR140 Fax Software provides Fax over IP (FoIP) capabilities for integrating fax servers and fax document management solutions with VoIP networks. Brooktrout SR140 can achieve the same high level of performance, reliability, and scalability as Dialogic® Brooktrout® Fax Boards, since both use Dialogic's outstanding implementation of the T.30 protocol. The Brooktrout SR140 is available in densities ranging from 2 to 60 channels and can support up to 120 ports in a single server. More channels can be added cumulatively by purchasing and installing new software license keys.

## Dialogic® Brooktrout® TR1034 Fax Boards

The Dialogic® Brooktrout® TR1034 Fax Boards are high-performance, intelligent boards that offer both TDM- and IP-based fax capabilities, enabling easy migration from traditional fax to IP fax. Since they use Dialogic's field-proven T.30 protocol implementation, which has been adjusted for compatibility with industry variants, TR1034 fax boards can deliver superior call completion at very fast connection rates across a wide variety of fax machines and line conditions. This high level of performance helps ensure that faxes are sent and received the first time, every time, which saves time and reduces fax-related costs.

## Contact Us

For more information on ReplixFax Fax over IP, call us at 1-888-821-0845 or visit our website at http://www.tacdig.com.

## Specifications

- *Supported Server Platforms:*
  - *Microsoft Windows*
  - *Red Hat Enterprise Linux*
- *Supported T.38 Fax Boards and FoIP Software:*
  - *Dialogic® Brooktrout® TR1034 fax boards*
  - *Dialogic® Brooktrout® SR140 FoIP driver*
- *Telephone Network:*
  - *Analog*
  - *Digital T1, E1, ISDN (PRI, BRI)*
- *Fax over IP Interoperability:*
  *(SIP Trunking)*
  - *Allstream*
  - *AT&T IP Flex Reach SIP Trunking Service*
  - *babyTEL*
  - *Broadview Networks Broadspeed SIP Trunking Service*
  - *BroadSoft BroadWorks SIP Trunking Service*
  - *BroadVox GO! SIP Trunking Service*
  - *Gamma*
  - *Global Crossing*
  - *Level 3*
  - *Node4*
  - *T38Fax.com*
  - *Verizon*
  - *XO*
  *(IP PBXs and Media Gateway Network Elements)*
  - *Cisco Unified Communications CallManager*
    *(Cisco Unified CallManager)*
  - *Cisco Integrated Services Router (ISR)*
  - *Cisco AS Universal Gateway Series*
  - *Cisco High Performance Gatekeeper Series*
  - *Avaya Communication Manager*
  - *Avaya Media Gateway Series*
  - *Nortel Communication Server 1000*
  - *Alcatel OmniPCX Enterprise*
  - *Siemens HiPath 8000*
  - *Siemens RG8702 Media gateway*
  - *Aastra Technologies Ericsson MX-ONE*
  - *3Com VCX V7000*
  - *3Com Media Gateway*
  - *Grandstream GXW4024IP Analog Gateway*
  - *Linksys SPA 8000 Gateway*
  - *Multi-Tech MultiVoIP MVP210*
  - *Mitel 3300 MXe*
  - *NEC Philips SOPHO iS3000*
  - *Quintum Tenor Series*
  - *ShoreTel IPBX/Gateway*
  - *AudioCodes Mediant*
  - *AudioCodes MP-114*
  - *Patton 4960 PRI Gateway*
  *(Virtualization)*
  - *VMware ESX Server*
  - *Windows Server® 2008 R2 Hyper-V™*
  - *Xen: Citrix XenServer*

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