

# Dialogic® Brooktrout® SR140 Fax Software

Dialogic® Brooktrout® SR140 Fax Software is a software-only solution that leverages the existing field-proven Brooktrout fax protocol to deliver the high levels of performance, reliability, and scalability of Dialogic® Brooktrout® fax hardware solutions.

With the assistance of Dialogic’s software partners, the Brooktrout SR140 allows organizations to deploy fax servers and fax server applications for document management and business process automation and for regulatory compliance with Sarbanes Oxley, HIPAA, and Basel II.

The Brooktrout SR140 has been certified in SIP, H.323, and MGCP environments and has been tested and certified with IP-PBXs and VoIP gateways from leading vendors including Cisco, Avaya, and Alcatel-Lucent.

The Brooktrout SR140 is scalable from 2 to 120 channels in a single server (or virtual server). More channels can be added as needed by purchasing and installing additional software license keys to upgrade the system.

Dialogic delivers time-tested industry-leading fax technology, offering a broad range of fax and fax over IP products, which are supported by more than 50 software partners and approved for use in more than 40 countries (as of 2008). The Dialogic® Brooktrout® fax protocol has been deployed for more than 20 years.

Features	Benefits
<b>Integrates with VoIP Networks</b>	Can reduce long distance bills and lower administrative and maintenance costs
<b>Board-less fax processing</b>	Simplifies deployment because no boards need to be installed, maintained, or stocked
<b>Based on V.34 fax standard</b>	Can process faxes at twice the speed of V.17 fax products
<b>Uses the T.38 IP fax protocol that encapsulates Brooktrout T.30 fax data stream</b>	Dialogic has 20 years of experience with its implementation of the T.30 stack. It is constantly enhanced to maintain interoperability with new fax machines ensuring a high degree of reliability and efficient fax processing.
<b>Lightweight, high-performance fax engine</b>	Provides exceptionally low CPU utilization
<b>Patented inbound fax routing</b>	Allows support of fax servers, fax-to-email, unified messaging, fax document management, workflow and document delivery, and compliance systems

The Brooktrout SR140 sends and receives IP faxes at up to 33.6 kbps, based on the V.34 fax standard. Not only can the SR140 process fax at twice the speed of 14.4 kbps fax boards, but it also supports V.8 fast handshaking and advanced compression, which can cut call setup and session-management time by one-third. A document that can be faxed in one minute with a 14.4 kbps intelligent fax board can be sent in less than 30 seconds with Brooktrout SR140. This can translate into significant savings on long distance toll charges.

The Brooktrout SR140 can deliver highly reliable faxing over VoIP networks by using the T.38 fax protocol to send real-time fax messages over IP networks. Because the T.38 protocol retains the standard T.30 fax data stream, it can be used with legacy T.30-based devices and with newer T.38 solutions. With over 20 years of experience, Dialogic's T.30 implementation can lay claim to its being the most thoroughly field-tested offering compared to those of all other fax technology vendors. Dialogic has refined its T.30 implementation for numerous T.30 variants, which helps make fax processing reliable, saving customers time and money. The T.38 stack has also undergone significant interoperability testing with other IP vendors. This successfully tested interoperability provides flexibility and reliability when the SR140 is deployed into VoIP networks.

The Brooktrout SR140 can provide exceptional options for application developers because Brooktrout SR140 supports the Dialogic® Brooktrout® Bfv API, the same API used throughout Dialogic's line of fax products. Developers can choose to write one application to the Bfv API and deploy it on both TDM and IP equipment. This dual-network support also allows developers who wish to sell into both TDM and IP accounts to use either Dialogic® Brooktrout® TR1034 Fax Boards or the Brooktrout SR140.

## Technical Specifications

### Fax

ITU T.38 (endpoint)

ITU T.30 Group 3 V.34, V.17, V.29, V.27ter, V.21 & V.33 modulation with auto fallback

MH, MR, MMR compression

A4, A3, and B4 page sizes with scaling

Error correction mode (ECM)

Resolution 100x100, 200x200, 300x300, 400x400, 600x600, 800x400, 400x800, 600x1200, 1200x1200

Aligned/unaligned

MSB/LSB

Line error detection/correction

Font download

### Signaling

SIP (RFC 3261)

H.323 (version 4)

### Interoperability

Dialogic often adds IP-PBX and T.38 gateway interoperability information. See [www.dialogic.com/interoperability/fax.htm](http://www.dialogic.com/interoperability/fax.htm) for a current list.

### Operating Systems Support

Windows®; Linux. Details at <http://www.dialogic.com/systemreleases>

### System Density

The Brooktrout SR140 will support from 2 to 120 ports in a single server (or virtual server)

### Application Programming Interface

Dialogic® Brooktrout® Bfv API

## Technical Specifications (cont.)

### Minimum System Requirements

Pentium 4/2.66 GHz

512 MB PC2100 DDR SDRAM memory

Ethernet connection

### Licensing Requirements

Dialogic® Brooktrout® SR140 Fax Software uses Product Activation technology. As part of the installation of the Brooktrout SR140, Product Activation may be completed via the Internet, email, or fax, and involves entering the license key shown on the license certificate.

## Ordering Information

Brooktrout SR140 fax software is available in the IP channel denominations listed in the License Configuration table below. Multiple licenses can be installed on the same system to reach the desired channel count.

### License Configurations

SR140+2F: 2 channel

SR140+4F: 4 channel

SR140+8F: 8 channel

SR140+12F: 12 channel

SR140+24F: 24 channel

SR140+30F: 30 channel

SR140+48F: 48 channel

SR140+60F: 60 channel

To learn more about Dialogic® products, go to [www.atechnologies.com](http://www.atechnologies.com)

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