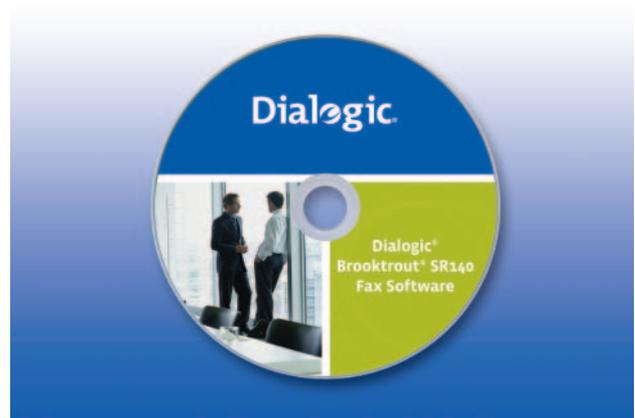


Dialogic® Brooktrout® SR140 Fax Software is a host-based Fax over IP (FoIP) engine that leverages existing field-proven Dialogic® Brooktrout® fax technology to deliver the high levels of performance, reliability, and scalability of Dialogic® Brooktrout® fax hardware products.

In combination with solutions from Dialogic's software partners, Brooktrout SR140 allows organizations to deploy fax servers and fax server applications for document management, business process automation, and regulatory compliance with Sarbanes Oxley, HIPAA, and Basel II.



## Features

### **Integrates with VoIP networks**

### **Exceptionally low CPU utilization**

### **T.38 IP fax protocol implementation encapsulates Dialogic® Brooktrout® T.30 fax data stream**

### **G.711 fax pass-through**

### **V.34 transmission speeds for both T.38 and G.711**

### **API support for collection of network quality metrics**

### **Voice play and record and DTMF detection and generation**

### **Server virtualization support**

### **IPv6 support**

## Benefits

Can reduce long distance bills and lower administrative and maintenance costs

Provides efficient, high-performance, host-based fax processing, leaving more processing power for other applications

Leverages 20 years of experience with the T.30 stack, which is constantly enhanced to maintain interoperability with new fax equipment and to enable a high degree of reliability and efficient fax processing

Can support fax on a VoIP network when a gateway or IP network operator does not support T.38, broadening the range of possible installations

Can process faxes at twice the speed of V.17 fax products, reducing long distance toll costs

Useful in determining suitability of underlying fax transport, such as an IP network, for providing fax service

Allows fax integration into IVR and call center systems for improved customer satisfaction

Enables the deployment of fax server applications on virtual machines with leading server virtualization software, which increases data center efficiency and provides failover for mission-critical fax applications

Allows the flexibility to configure Brooktrout SR140 to support IPv4 only, IPv6 only, and two hybrid fallback modes — IPv4 preferred and IPv6 preferred

## Two License Options Available

Brooktrout SR140 is scalable from 2 to hundreds of ports, depending on the FoIP transport method, application demands, operating system, physical or virtual machine, and host processor capacity. Channels can be added as needed by purchasing and installing additional software license keys up to the maximum supported. Two license versions are available:

- **SR140** — provides a rich set of FoIP features and functions suitable for high-speed, high-density fax production environments in both enterprise data centers and hosted service provider networks. Disaster recovery licenses are available for creating a backup system, which can be used during an interruption in service.
- **SR140-L** — provides a more basic feature set for lower density fax processing environments

## Certifications

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

## Time-Tested, Industry-Leading Fax

Dialogic delivers time-tested industry-leading fax technology, offering a broad range of fax and FoIP products, which are supported by more than 60 software partners and approved for use in more than 40 countries (as of 2012). Brooktrout fax technology has been deployed for more than 20 years.

FoIP solutions built using Brooktrout SR140 can send and receive IP faxes at up to 33.6 kbps, based on the V.34 fax standard. Not only can Brooktrout 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 an application using Brooktrout SR140. This can translate into significant savings on long distance toll charges.

Brooktrout SR140 can deliver highly reliable FoIP 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, the Dialogic® Brooktrout® T.30 implementation can lay claim to 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 IP networks.

## Enabling FoIP When T.38 Is Not Supported

G.711 fax pass-through is supported by the SR140 license version. While more susceptible to possible IP network issues, such as packet loss, jitter and latency, G.711 fax pass-through provides an option for enabling FoIP when T.38 is not supported.

## Common Fax API for Both TDM and IP

Brooktrout SR140 supports the Dialogic® Brooktrout® Bfv API, the same API used by all Brooktrout 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 Brooktrout SR140 as the fax technology in their solutions.

## Technical Specifications

### Basic Functions By License Version

	SR140 Version	SR140-L Version
<b>Density</b>	2 to hundreds of channels per system	2 to 8 channels per system
<b>Fax transport mode</b>	ITU T.38; G.711 pass-through	T.38
<b>Fax transmission speed</b>	V.17; V.34	V.17
<b>Fax modems</b>	ITU T.30 Group 3 V.34, V.17, V.29, V.27ter, V.21 and V.33 modulation with auto fallback	ITU T.30 Group 3 V.17, V.29, V.27ter, V.21 and V.33 modulation with auto fallback

### Common Features and Functions

<b>Virtualization</b>	Up to 4 virtual machines per physical server, depending on application and server used
<b>Image format</b>	MH, MR (ITUT.4), MMR (ITUT.6)
<b>Page format</b>	A4, A3, and B4 with scaling
<b>Resolution</b>	100x100, 200x200, 300x300, 400x400, 600x600, 800x400, 400x800, 600x1200, 1200x1200
<b>Features</b>	Error correction mode (ECM) Aligned/unaligned MSB/LSB Line error detection/correction Font download
<b>Signaling and control</b>	H.323 (version 4); SIP (RFC 3261); IPv4; IPv6
<b>Interoperability</b>	Dialogic continually adds IP-PBX and T.38 gateway interoperability information to the Dialogic website; see <a href="http://www.dialogic.com/interoperability/fax.htm">www.dialogic.com/interoperability/fax.htm</a> for a current list
<b>Operating Systems</b>	Windows; Linux. Details at <a href="http://www.dialogic.com/systemreleases">www.dialogic.com/systemreleases</a>
<b>Application Programming Interface</b>	Dialogic® Brooktrout® Bfv API
<b>Minimum System Requirements</b>	Application dependent

### Ordering Information

Licensing Dialogic® Brooktrout® SR140 Fax Software uses Product Activation Technology. Licensing may be completed via the internet, email, or fax, and involves entering the license key shown on the license certificate.

Brooktrout SR140 fax licenses are orderable in the IP channel denominations listed below. Multiple licenses can be installed on the same system to reach the desired channel count, up to the supported maximum.

License Configurations	SR140 Version	SR140-L Version
Without disaster recovery	2, 4, 8, 12, 22, 24, 30, 48, or 60 channels	2, 4, or 8 channels
With disaster recovery	2, 4, 8, 12, 22, 24, 30, 48, or 60 channels	Not available



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