

## High Performance Host-Based Fax Over IP Processing Software

*The Cantata Technology™ Brooktrout® SR140™ offers businesses of all sizes real-time fax-over-IP capability with the same high performance that companies have come to expect from the Brooktrout intelligent fax boards, available in a software-only platform. The SR140 is a host-based intelligent fax platform from Cantata that takes advantage of the latest advances in computational processing power. Host-based processing allows media processing and call control functions — traditionally performed by specialized digital signal processors (DSP) on boards — to be performed on general purpose CPU's that run on industry standard servers.*

*The SR140 is available in a variety of densities from 2 to 60 channels and is suitable for a variety of computer-based fax applications such as fax server, unified messaging, fax document management and compliance systems. To add more channels as your needs grow, simply purchase and install a new software license key to instantly upgrade your system. The SR140 supports both SIP and H.323 call control and has been tested and certified with market leading T.38 gateways.*

*With over 70% market share worldwide, Cantata is the market leader in intelligent fax platforms, offering the fullest featured and broadest range of fax platforms available on the market today. The Brooktrout intelligent fax technology reduces cost and maximizes ROI of fax servers by providing the most reliable and secure fax platforms available.*

### Features & Benefits

#### END USERS

##### **Integrates with VoIP Networks**

The SR140 enables end users to implement IP fax into VoIP networks, helping customers to capture the benefits of convergence and software-only fax processing, which include reduced long distance bills and lower administrative and maintenance costs.

##### **Host-Based Fax Processing Reduces Complexity and Simplifies Deployment**

With no boards to install or maintain, the SR140 reduces complexity and simplifies deployment. The SR140 gives enterprises the freedom to purchase an all-in-one software-only fax server with no slots required.

##### **Reliable, Real-time IP Fax**

The SR140 delivers highly reliable faxing over VoIP networks using the T.38 real-time fax-over-IP protocol. To guarantee delivery every time, even for calls between two IP endpoint devices, a highly reliable T.30 implementation is required. The field-proven Brooktrout T.30 engine remains at the heart of every fax connection. The Brooktrout intelligent fax technology is recognized as having the best T.30 available on the market today as the result of nearly 20-years experience developing and supporting intelligent fax technology deployed in a wide variety of enterprise and service provider applications worldwide.

##### **Lightweight, High Performance, Scalable Fax Engine**

The SR140 is a scalable host-based fax platform supporting a range of densities, available from 2 to 60 channels with support for up to 120 channels per server. The SR140 does this while still leaving room for the fax server software with exceptionally low CPU utilization.

##### **Range of Configurations Available**

For customers requiring a low or medium density fax solution, the SR140 is available in 2, 4, 8 or 12 channels. For customers requiring a higher density fax solution, the SR140 is available in 24, 30, 48 and 60 channels. To add more channels as their needs grow, customers can install a simple software license upgrade.

##### **Patented Inbound Fax Routing**

The SR140 supports Cantata's patented DID inbound fax routing required by fax server, fax-to-email, unified messaging, fax document management, workflow and document delivery and compliance systems.

##### **Interoperability with Industry Leading T.38 Gateways**

The SR140 has been tested and certified with the market-leading T.38 Gateways from Cantata and Cisco.

(continued)



# Brooktrout SR140

## APPLICATION DEVELOPERS

### Enables Integration with VoIP Networks

SR140 application developers can tap into the burgeoning VoIP market by providing customers with a pure IP fax solution that seamlessly integrates into an enterprise IP infrastructure.

### Write Once, Deploy on TDM & VoIP

A single application written to the Cantata Bfv API will work on Cantata's complete line of fax software and hardware products. Application developers can sell into both IP and TDM accounts with the same application running on both the software based SR140 or hardware based Brooktrout TR1034™ or Brooktrout TruFax® series of fax boards.

### Simplify Logistics and Deployment

Application developers can sell and support an integrated software-only fax server.

## Specifications

### FAX

- ITU T.38 (endpoint)
- ITU T.30 Group 3
- 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\*

- Cantata IMG 1010
- Cisco 1700 Series IOS version 12.3, SIP, H.323
- Cisco 2600 Series IOS version 12.3, SIP, H.323
- Cisco 2800 Series IOS version 12.4, SIP, H.323
- Cisco 3700 Series IOS version 12.3, SIP, H.323
- Cisco 3800 Series IOS version 12.4, SIP, H.323
- Cisco AS5400 Series Universal IOS version 12.3, SIP, H.323

\*Cantata is continually adding IP PBX and T.38 Gateway interoperability. Please see [www.cantata.com/interop/fax](http://www.cantata.com/interop/fax) for the most updated list.

### OPERATING SYSTEM SUPPORT

- Windows 2000 Professional Service Pack 4
- Windows 2000 Server, Service Pack 4
- Windows 2000 Advanced Server, Service Pack 4
- Windows XP Professional, Service Pack 2
- Windows Server 2003, Standard Server Edition, Service Pack 1
- Windows Server 2003, Server Edition, 64-bit version, Service Pack 1
- Windows Server 2003, Enterprise Edition, 32-bit version, Service Pack 1

*Cantata Technology™, established in 2006 through the combination of Brooktrout Technology® and Excel Switching Corporation, provides enabling communications hardware and software that empowers the creation and delivery of anytime, anywhere IP-based communications applications. Leveraging more than 20 years of experience, Cantata offers the broadest range of products, along with a worldwide network of partners that allows service provider and enterprise customers to develop new products, introduce new services and cost-effectively transition networks to IP. Headquartered in Needham, Mass., Cantata maintains multiple locations worldwide in North America, Asia and Europe.*

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### SYSTEM DENSITY

SR140 will support from 2 to 120 ports in a single server.

### MINIMUM SYSTEM REQUIREMENTS

- Pentium 4/2.66 GHz
- 512 MB PC2100 DDR SDRAM memory
- Ethernet connection

### MODELS/CONFIGURATIONS

SR140 products are available in the following IP channel denominations. Multiple licenses can be installed on the same system to reach the desired channel count:

- 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

The SR140 software product uses Product Activation technology. As part of the installation of the Brooktrout software, Product Activation may be completed via the Internet, email or by fax and involves entering the license key shown on the license certificate.

### APPLICATION PROGRAMMING INTERFACE

Bfv API

### SR140 MAINTENANCE AND SUPPORT

Stay up to date with the latest fixes, IP PBX, and T.38 Gateway interoperability updates by purchasing a maintenance and support agreement from your application provider.

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