

High Performance Software-only Fax over IP Processing Platform



The Cantata Technology™ Brooktrout® SR140™ is a software-only IP fax platform, providing companies of all sizes with the ability to integrate fax servers and fax document management solutions with their VoIP network, achieving the same high levels of performance, reliability and scalability that enterprises have come to expect over the past 20 years from Brooktrout-brand fax platforms.

The SR140 supports both SIP and H.323 and has been tested and certified with IP-PBX and VoIP gateways from leading vendors including Cisco, Avaya, Alcatel-Lucent, and Quintum. The SR140 is suitable for a variety of fax server applications including document management, business process automation and compliance with regulations such as Sarbanes-Oxley, HIPAA and Basel II.

The SR140 is available in densities ranging from 2 to 60 channels and can support up to 120 ports in a single server. To add more channels as your needs grow, simply purchase and install a new software license key to instantly upgrade your system.

Cantata offers the broadest range of fax and fax over IP platforms on the market today, supported by more than 50 software packages and approved for use in more than 40 countries. With over 70% market share worldwide and more than 20 years of field-proven experience in fax, more companies trust their critical fax documents to Cantata than any other vendor.

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.

Boardless 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. The T.38 IP Fax protocol is used for sending fax messages over IP networks in real time by encapsulating a standard T.30 fax data stream. Traditional fax devices communicate with each other using a standard protocol called T.30. Because traditional T.30 fax devices will continue to exist as the world transitions from circuit-switched networks to IP-based networks, newer T.38-based fax devices have to be able to communicate with these older T.30-based fax devices. With over 20 years of experience, Cantata's T.30 protocol implementation is recognized as the most thoroughly field-tested of all fax technology vendors. Cantata has encountered and adjusted the T.30 to interoperate with virtually every T.30 variant, which ensures faxes are sent and received the first time, every time, saving customers time and money.

Light weight, High Performance, Scalable Fax Engine

The SR140 is a scalable software-only 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.

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.

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 TR1034.

Simplify Logistics and Deployment

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

Interoperable with Leading VoIP Gateways



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 is continually adding IP PBX and T.38 Gateway interoperability. Please see 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

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.

15 Crawford Street
Needham, MA 02494
Phone: +1.781.449.4100
Fax: +1.781.449.9009
E-mail: info@cantata.com
www.cantata.com

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.

Cantata, Cantata Technology, Brooktrout Technology and the stylized logo with and without the term Cantata Technology are trademarks of EAS Group, Inc., the parent company of Cantata Technology, Inc., or its subsidiaries. All other trademarks mentioned in the above text are the property of their respective owners. Specifications are subject to change.



cantata
TECHNOLOGY™