PRODUCT INFORMATION

Ascend MultiVoice



Toll-Quality Voice over Data Solutions for the Next-Generation Public Network

ASCEND

Where Network Solutions Never End™

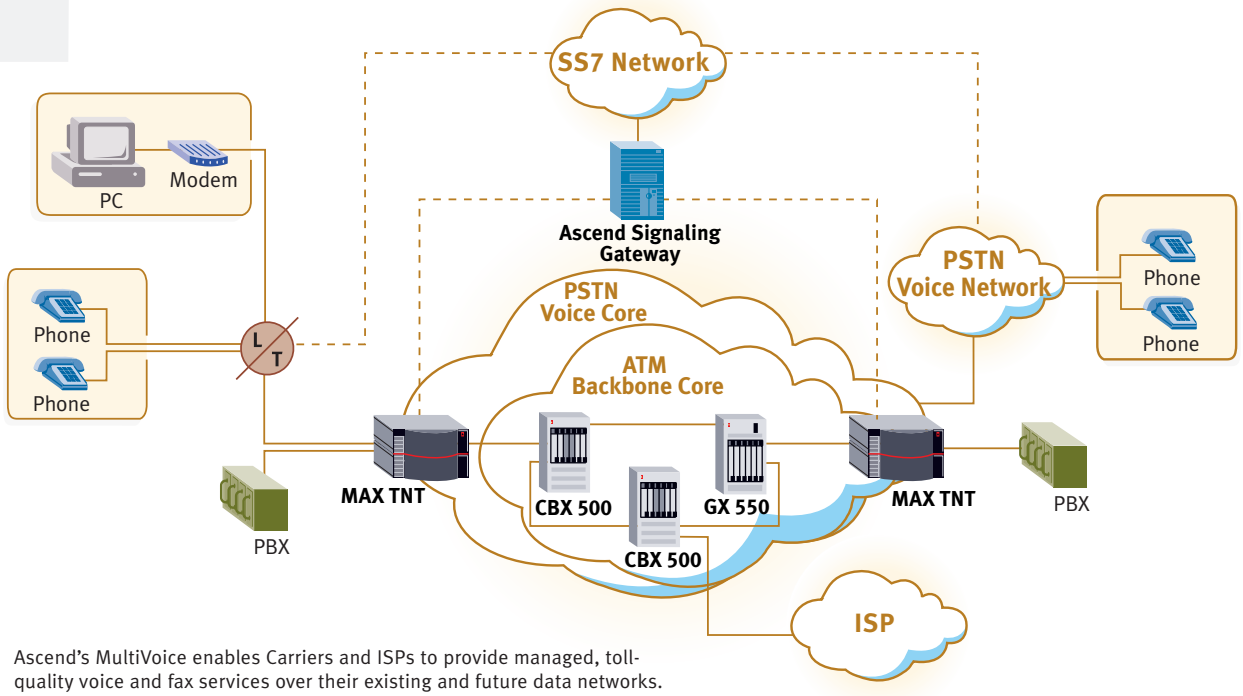


MultiVoice

Ascend's MultiVoice™ solutions unlock the hidden potential of the next generation public network (ngpn) to deliver voice, data and fax services over a single, unified network infrastructure. With data traffic growing at a rate of 20 percent a year and voice at a constant three percent, ISPs, carriers and Fortune 100 companies struggle with the high costs of building and maintaining two disparate networks. As a result, the lines between traditional voice and data infrastructure walls are starting to crumble and service providers are re-tooling their offerings to support integrated voice, fax and data.

Ascend's MultiVoice for IP, Frame Relay and ATM is the only solution on the market to offer "Absolute" Quality of Service (QoS) across the complete connection—from the access area through the core to the public network—providing toll quality voice, video and real time data. With "Absolute" QoS, MultiVoice provides the same level of service found in carrier-class, connection-oriented switched networks such as the Public Switched Telephone Network (PSTN)—at a fraction of the cost. MultiVoice also delivers superior network management with the Navis™ family of network and service management applications and provides complete and transparent integration with the Signaling System No. 7 (SS7) carrier signaling network.

Voice/Data Network Integration



Ascend's MultiVoice enables Carriers and ISPs to provide managed, toll-quality voice and fax services over their existing and future data networks. As a result, companies can reduce the cost of voice/fax communications through the integration of voice and fax with data on one single network.

Ascend MultiVoice Solutions

MultiVoice is unique to the industry because of its ability to utilize the vast array of technology in Ascend's portfolio including powerful backbone switches, access products, IP Navigator™ and the Navis family of applications. Ascend's MultiVoice applications address Voice over IP (VoIP), Voice over Frame Relay (VoFR), Voice over ATM (VoATM) and voice interoperability between IP, Frame Relay, ATM and SS7 Carrier Signaling Services:

- MultiVoice solutions for IP deliver MultiVoice capabilities that are highly scalable, integrated and based on the widely-deployed, award-winning Ascend MAX™ WAN access product family.
- MultiVoice solutions for Frame Relay will allow service providers and enterprise customers to route voice and fax calls over Frame Relay network structures, delivering its services by exploiting the power of Ascend's industry-leading core backbone switches as well as the MAX WAN access product family.
- MultiVoice solutions for ATM will provide compressed voice over ATM integrated into Ascend's SA Broadband Access and core switching products. MultiVoice will enhance these products by supporting full voice capabilities that allow efficient ATM link usage, and deliver transparent voice/fax services.
- MultiVoice platform integration provides interoperability between IP, Frame Relay and ATM MultiVoice platforms in addition to SS7 Carrier Signaling Services. Based on Ascend's core switching products and the MAX WAN access product family, carriers and ISPs can utilize the power of Ascend's networks in a single, managed infrastructure complete with management, performance and voice/fax interoperability provided by MultiVoice.

Ascend MultiVoice: From Dial-Tone to Data-Tone

Ascend's MultiVoice provides a totally integrated solution for service providers to offer combined voice/fax and data networks. Ascend's MultiVoice architecture provides these capabilities by a unique combination of Ascend's award-winning, industry-leading access and core technologies. These capabilities that are integrated to provide the MultiVoice solution include:

- Totally integrated offering for carrier/ISP-provided voice/data networks
- Ability to build a backbone infrastructure that offers the same reliability and cost-efficiency for data as for voice
- SS7 (Carrier Signaling) network interoperability
- Toll-quality voice and fax
- Interoperability between switched and packet networks
- "Absolute" QoS for voice and data over IP, Frame Relay and ATM networks with Ascend's IP Navigator
- Carrier service management with Ascend's Navis, including billing, control and back office services
- Multiservice support over IP, Frame Relay and ATM networks
- Protection of your investment in the next generation public network infrastructure:
  - Over sixty million people access the public network over Ascend equipment
  - Products installed in over 100 countries
  - Over 50,000 MAX™ and MAX TNT™ units shipped
  - Strong knowledge and support of signaling protocols worldwide
  - Number one Frame Relay carrier and ISP switch market share position and the fastest market share growth in ATM carrier and ISP switches
- The power of Ascend's switches:
  - Call setup rates of up to eight million calls per busy hour for the Ascend GX 550—eight times greater than that of a typical central office switch which offers up to one million calls per busy hour
  - Support for simultaneous voice and fax applications over IP, Frame Relay and ATM

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Ascend Communications, Inc. develops, manufactures and sells wide area networking solutions for telecommunications carriers, Internet service providers, and corporate customers worldwide. For more information about Ascend and its products, please visit the Ascend Web site at http://www.ascend.com, or e-mail info@ascend.com.

Ascend markets the B-STDX, CBX, GRF, GX, IP, MAX, Multiband, MultiDSL, Navis, Pipeline, SA, SecureConnect and STDX families of products. Ascend products are available in more than 40 countries worldwide.

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