Compaq AlphaServer Intelligent Network Peripheral

An Open Solution For AIN Services

Partner Profiles

*For market-leading AIN capabilities, team with Telcordia, Compaq Custom**Systems**, and Cisco.*

Engineered to Central Office standards, the *Compaq AlphaServer Intelligent Network (AIN) Peripheral* is part of an online, realtime, high availability network solution. It is available in space-saving rackmount configurations with pre-packaged Dialogic® DM3™ technology for the Tru64 UNIX® environment.

Telcordia Technologies, Inc.

Telcordia Technologies, Inc., (formerly Bellcore), provides ISP node software that layers on top of the *AlphaServer Intelligent Network Peripheral* and manages call processing and allocation of resources. ISP software offers telecom service providers a whole new level of convenience by giving them the ability to control complex network functions with simple voice or touchtone commands. This means you can maximize your AIN investments by giving your services remarkable, added capabilities including

- Integrated multimedia mailboxes
- User controlled conference calling
- Privacy and screening control

Compaq *Custom*Systems

The *AlphaServer Intelligent Network Peripheral* is based on *Compaq Alpha* 64-bit architecture using the *Custom***Systems** *AlphaServer Voice Platform* as the Voice Peripheral and voice recognition technology from Voice Control Systems, Inc.

It provides maximum performance and call handling capabilities in a fully redundant configuration with no single point of failure using *Compaq Tru64 UNIX TruCluster* technology.

Highlights

- Supports the development of a wide range of services from Follow-Me and Teen-Screen to Integrated Messaging, Voice Recognition, and Customer Care and Administration
- Is a highly scalable platform that currently supports over 600 voice ports in a switched environment and even more ports based on customer requirements in a switchless environment
- Is a high-availability NEBS-certified platform
- Supports AIN 0.1 and AIN 0.2.
- Provides growth to 1 terabyte of storage for advanced services
- Uses a dual FDDI network (100Mbps) to access and deliver system-based announcements and subscriber voice data

Maintenance and Operations Console (MOC)

The MOC, an *Alpha* workstation running *Tru64 UNIX*, provides a GUI interface that enables users to determine the health of the ISP system components and take corrective action to resolve system problems and avoid service interruptions. One local MOC is included with each *AlphaServer Intelligent Network Peripheral* system. Additional MOCs can be purchased separately.

Announcement Administration Peripheral (AAP)

The AAP, is a platform for administering voice announcements. The audio equipment plays pre-recorded tape or, optionally, provides live voice (via microphone). The AAP software digitizes the output, and includes tools to edit, enhance, and modify the announcements. The AAP is an optional component and is not bundled with the *AlphaServer Intelligent Network Peripheral.*

Even one second of downtime can be an eternity in an advanced intelligent network... You can be confident in the Compaq/Telcordia partnership which has been delivering 95% of the 100 billion toll-free numbers in the U.S. without a single outage.

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Formerly Bellcore...
Performance from Experience

AlphaServer Intelligent Network Peripheral	
Environments	
Customer premises	Yes
Lab development	Yes
Hardware components	
-48vDC inverter	Optional
ECC cache	Yes
ECC memory	Yes
RAID support	Yes
Thermal management	Yes
Voice specifications	
Digitization board,	High-density DIALOGIC voice 64k µlaw/A law, 32k ADPCM, 24k ADPCM, DTMF recognition
Software components	
Tru64 UNIX	Yes
Voice synthesis	Optional with DECtalk
Fax integration	Optional
Cluster support	Optional
IPFM	Optional
StorageWorks	Optional
ServerWorks	Optional
AdvFS Utilities	Optional
Communications interfaces	
T1	Yes
E1	Yes
ISDN PRI	Yes
SS7	Optional
ISUP	Optional
TA1129+	Optional
Voice over IP protocols	
TCP/IP	Yes
UDP	Yes
RTP/RTCP	Yes
Processor capabilities	
Processor	AlphaServer 1000A
Clock speed	500 MHz
Technology	64-bit RISC
Max Memory	1 GB ECC
Input/output per processor	
PCI	7
EISA	2
Serial ports	2
Parallel ports	1

For more information, contact

*Custom***Systems** worldwide

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Asia Pacific	+61 41 427-6315
Japan	+81 3 5349 7369

www.compaq.com/*custom***systems**

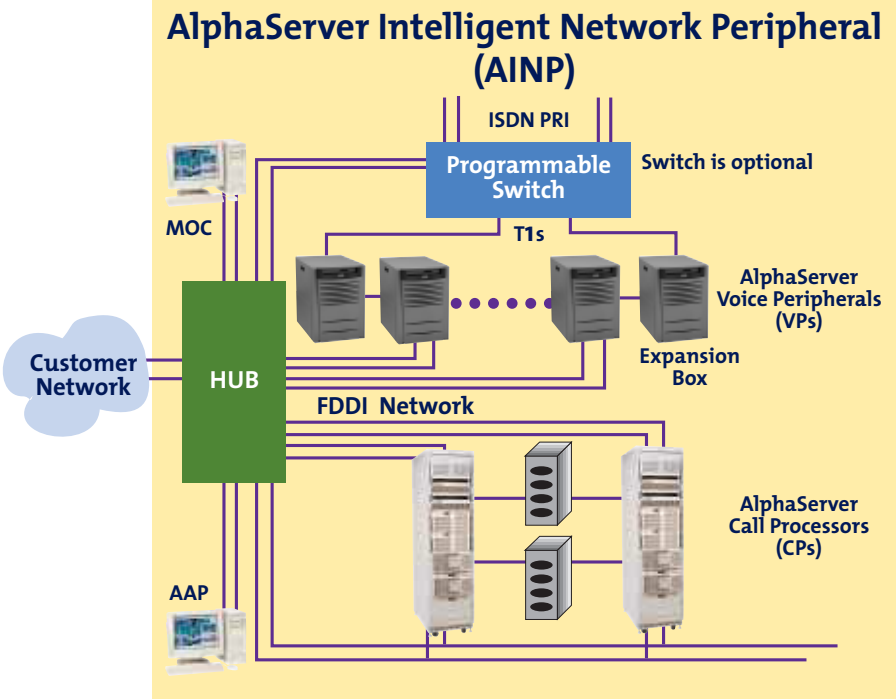
Programmable switching

The *AlphaServer Intelligent Network Peripheral* currently supports the Cisco VCO/4K programmable switch (formerly from Summa Four) that enables service providers to build scalable, cost-effective networks that support the rapid deployment of wireline and wireless voice services.

It integrates seamlessly into existing telecommunication infrastructures to deliver enhanced voice services for the Public Switched Telephone Network as well as new world, packet-based networks.

The VCO/4K open, programmable switch is the basis for some of the most innovative applications on the market today, such as voice/fax messaging, intelligent 800-number routing, voice-activated dialing, calling card, personal-assistant services, and Web-based conferencing.

In addition, it can support core switching functions such as Class 4, base-station control, mobility management, and wireless local loop.



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