Compaq Central Office Platform

Disaster-proof performance

Offering NEBS Level 3 certification with full 64-bit processing

The NEBS Level 3–certified Compaq *AlphaServer*™ TS40 and *AlphaServer* TS20 Central Office systems are based on the proven and powerful *AlphaServer* ES40 system.

The two systems provide telecom carriers, service providers, software vendors, and value-added resellers with the advanced features they need for a variety of applications, including

- Intelligent call routing
- Network-based call centers
- Call accounting
- Caller ID
- Internet access
- Multimedia messaging

Fast to deploy and easy to scale, the *AlphaServer* TS40 and *AlphaServer* TS20 Central Office systems are the ideal platforms for high-performance, interoperable telecommunications and Internet solutions.

Compaq *AlphaServer* systems are the preferred platform for carrier-grade service providers because the performance and design of these systems ensure quality of service even as subscriber bases grow at phenomenal rates.

Tough enough to meet the CO challenge

The *AlphaServer* TS40 and *AlphaServer* TS20 Central Office systems offer significant advantages with their small footprint and high performance.

NEBS Level 3–certified, the systems are shock-proof, vibration-resistant, and earthquake Zone 4–certified.

Features

- NEBS Level 3 certified by Telcordia
- 64-bit *Alpha* EV68 833-MHz processors
- Up to 4 CPUs and 32 GB of memory in the *AlphaServer* TS40 and up to 2 CPUs and 16 GB of memory in the *AlphaServer* TS20
- Industry-standard 14 PCI I/O slots (9 primary, 5 secondary)
- Dual-redundant hot-swap –48 V DC power supplies
- Dual-redundant hot-swap AC power supplies
- *Tru64*™ UNIX 4.0F and 5.0 operating system support
- High-availability solutions with Compaq *TruCluster*™ advanced clustering technology
- Same option support as the *AlphaServer* ES40 system, including the IN7 protocol and Dialogic DM3 voice processing architecture
- Compatible with *StorageWorks* disk storage for central office, in 1-inch disk drive enclosure

COMPAQ
Inspiration Technology

Enterprise-level performance

Based on the new generation of Compaq *AlphaServer* ES40 servers, the *AlphaServer* TS40 and *AlphaServer* TS20 systems meet the telecom enterprise's need for mainframe-size speed, power, and performance—at a midrange server price.

Loaded with as many as four 833-megahertz *Alpha*™ 21264A processors and featuring up to 32 gigabytes of memory, large dedicated 8-megabyte L2 caches and advanced crossbar switching technology, these servers can handle the toughest jobs at stunning speeds. And they can be configured as fully redundant platforms for high availability.

StorageWorks for the central office

The *AlphaServer* TS40 and *AlphaServer* TS20 systems are designed to support multiple common-carrier disk shelves based on the *StorageWorks*™ enclosure with 14 one-inch drives. If your application requires additional storage, each system has virtually unlimited capacity using proven Compaq *StorageWorks* products.

Custom configuration support available

To win in the intensely competitive telecom marketplace, you need to minimize the risk and accelerate the pace of deployment. The Compaq CustomSystems group can help.

With over 25 years of telecom experience, CustomSystems delivers a range of value-added engineering and factory integration services to ensure that your central office systems are built to your precise requirements and delivered ready to plug in and run.

Move in the right direction

The Compaq *AlphaServer* TS40 and *AlphaServer* TS20 Central Office systems combine all of the resources, innovation, and reliability that Compaq is known for worldwide. Compaq has a proven track record in meeting the demands of service providers in the telecom enterprise space.

More than 200 communications companies already depend on Compaq to make their businesses run. Compaq solutions support more than 50 million wireline and wireless subscribers in 30 countries, and that number is growing. No single company has the capabilities of Compaq to deliver end-to-end communications solutions.

The time to act is now:
To win in the intensely competitive telecom marketplace, you need to minimize the risk and accelerate the pace of deployment. Compaq is your source for disaster-proof performance.

Specifications

Form factor (slide rackmount)

Height: 38.75 cm (15.25 in)

Width: 44.45 cm (17.5 in)

Depth: 53.34 cm (21 in)

Power supply

Output: 900 watts RMS

Hot swappable

AC model: 90–132, 180–240 autoranging

DC model: –48 V DC normal, –36 to –72 V DC full range, reverse polarity protected

Processor/cache

1 to 4 x 833-MHz Alpha 21264A processors

Each processor with 64-KB I-cache, 64-KB D-cache on chip, and 8-MB per processor L2 cache

High availability

Hot-swap redundant power and cooling, auto reboot, thermal management software, remote system management, RAID, hot-swap drives, memory failover, ECC memory, ECC cache, SMP CPU failover, error logging

Service and support

Three-year on-site hardware warranty with 24-hour response

Service options for up to 24 x 7 coverage with four-hour response time are available, along with a complete portfolio of worldwide service offerings

compaq.com/telecom

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Inspiration Technology

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