

Alcatel-Lucent VitalQIP®

QIP™ 5000 Appliance

The QIP™ 5000 Appliance is Alcatel-Lucent’s high-end appliance platform that provides NEBS-3 and ETSI-compliance for the VitalQIP Appliance Manager product family.

The QIP 5000 provides the base for the following functions:

- *AMS* (Appliance Management Software) – used to define, manage and monitor VitalQIP appliances
- *ESM* (Enterprise Server Module) – supports the VitalQIP Enterprise Software
- *AMM* (Appliance Management Module) – supports DNS, DHCP and other mission critical applications

The QIP 5000 is a carrier-grade, 1U rack-mountable server that provides industry-leading CPU performance with two 64-bit dual core Intel® Xeon® processors and improved performance-per-watt ratios over previous generations of rack-mounted servers. This high-performing server is an excellent choice for demanding environments with limited space typical of central offices and data centers because of its compact size.



FEATURES	BENEFITS
One source for both the hardware and software	Simplifies support issues since one source addresses all service needs
Two dual-core Intel Xeon processors (four total)	Performance-optimized, energy efficient processors
NEBS-3 compliant hardware	Fire-resistant hardware with the ability to withstand extreme heat, humidity, altitude and zone 4 earthquake shocks
Redundant AC or DC power	Uninterrupted operation with the ability to operate in your preferred operating environment

Technical specifications

VitalQIP functions supported

- AMS (Appliance Management Software)
- VitalQIP Enterprise Services
- Sybase
- DNS/DHCP
- TFTP, NTP, SNMP
- Anycast DNS
- DNS High Availability
- DNS/DHCP Test Probes
- Others

CPU

- Two 64-bit Intel Xeon dual-Core 2.33 GHz processors
- 4 MB cache

Memory

- 8 GB available (24 GB capacity)
- FB-DIMM technology at 533 and 677 MHz (4 GB per DIMM)

Hard disk

- Two 120 GB Fujitsu® SATA/150 5400 RPM 2.5 inch HDD
- Hardware-based RAID-1 support

System bus speed

- 1066/333 MHz

Form factor

- 1U

Dimensions (H x W x D)

- 1.7 in. x 16.93in. x 20 in. (4.3 cm x 43 cm x 50.8 cm)

Power supply

- 450W redundant PFC

Power consumption

- AC: 125 watts at idle; 136 watts During burn-in
- DC: 182W standard power consumption

Voltage

- AC 110/220 automatic switching

Thermal load

- At 80% efficiency, the 450 watt power supply rates at 1921 BTU/hour

Environment

- Ambient operating temp: +5°C to +40°C
- Short-term(<96 hours) operating temp: -5°C to +50°C
- Ambient non-operating (storage) temp: -40°C to +70°C
- Operating relative humidity: 5% to 85%(to 90% short-term)
- Non-operating relative humidity: 95%, non-condensing at +23°C
- Shock, operating: Half sine 2G, 11ms Pulse, 100 pulses each direction (3 axes)
- Shock, non-operating: Trapezoidal, 25 G, 170 in/sec delta V, 3 drops each dir.

External I/O ports

- Network interfaces: 4 Gigabit Ethernet RJ45
- USB 2.0: 1 front and 2 rear
- Display port: one 15-hole VGA out
- PS/2: one keyboard and one mouse
- COM port: one port, front or rear access

Operating system

- Hardened Red Hat Enterprise Linux 5 (64-bit)

Performance specifications

- DNS: 93,000+ queries per sec. (qps) measured
- DHCP: 6,400+ leases per sec. (lps) measured