

Alcatel-Lucent VitalQIP®

QIP™ 1210 Appliance

The QIP™ 1210 Appliance supports the needs of the enterprise that requires a full-featured appliance coupled with high performance, dual-power supplies and lights-out management.

The QIP 1210 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 1210 represents Alcatel-Lucent’s latest generation of rack-optimized system solutions that support the high transaction rates demanded by IP address management (IPAM) and Domain Name Server/Dynamic Host Configuration Protocol (DNS/DHCP) applications. The QIP 1210 is a high-performance, 1-socket 1U rack server with the right computing power, business scalability, simplified management, data protection and security features to make it an ideal choice for all Enterprise and Carrier customers.



FEATURES	BENEFITS
One source for both the hardware and software	Simplifies support issues since one source (Alcatel-Lucent) addresses service needs
Balanced server platforms based on quad-core Intel Xeon processors	Exceptional performance from having balanced servers
“Green” quad-core processing	Increases server performance by quadrupling processing ability on a single chip without increasing power consumption
“Fresh Air” environmental compliancy	Enables appliance to operate at extended temperature and humidity ranges allowing for lower overall data center costs
Dual independent bus architecture	Enables dedicated data flow to each processor, maximizing system performance
64-bit architecture	Extends the amount of server memory available
Dual-power supplies	Reduces downtime attributable to power outages
Lights-Out management	Provides remote access to appliance to quickly determine status and restore operation if necessary

Technical specifications

VitalQIP functions supported

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

CPU

- Intel Xeon E5-1410 Quad-Code 64-bit 2.8 GHz (8 logical cores)

Memory

- 6 GB 1333MHz ECC DDR3

Hard disk

- 500 GB 3.5 inch SATA (7.2K RPM)

System bus speed

- 1333 MHz

Form factor

- 1U

Dimensions

- Height: 1.67 in. (4.3 cm)
- Width: 17.10 in. (43.4 cm)
- Depth: 26.60 in. (67.7 cm) Inc. PSU & bezel

Weight (without racks)

- 33.0 lbs (15.0 kg)

Mounting racks: included

Mean Time Between Critical Failure (MTBCF)

- 154,700 hours

Power supply

- Dual hot-plug redundant 350W

Power consumption

- Maximum: 350W
- I/O Intensive: 102W
- CPU Intensive: 154W
- Memory Intensive: 98W

Voltage

- 110/220 AC automatic switching

Thermal load

- I/O Intensive: 348 BTU/hour
- CPU Intensive: 525 BTU/hour
- Memory Intensive: 334 BTU/hour

Environment

- Ambient operating temp: 10°C to 35°C (50°F to 95°F)
- Ambient non-operating (storage) temp: -40°C to 65°C (-40°F to 149°F)
- Extended operating temp: 5-10°C, 35-40°C (≤ 10% annually), -5-5°C, 40-45°C (≤ 1% annually)
- Operating relative humidity: 10% to 80%, non-condensing
- Non-operating relative humidity: 5% to 95%, non-condensing
- Extended operating humidity: 5-85% (≤ 10% annually), 5-90% (≤ 1% annually)

System cooling

- Five fixed cooling blowers

External I/O ports

- Network interfaces: 4 Gigabit Ethernet RJ45
- USB 2.0: 2 front and 2 rear
- Lights-Out Mgmt: RJ45 rear
- Display port: 2 15-hole VGA Out
- Serial port: 1 rear

Operating system

- Red Hat Enterprise Linux 5 (64-bit)

Performance specifications

- DNS: 200,000+ queries per sec. (qps) measured
- DHCP: 14,000+ leases per sec. (lps) measured