

Alcatel-Lucent VitalQIP®

QIP™ 700 Appliance

The QIP™ 700 Appliance is an ultra-compact, full-featured 1U rack-mountable solution that supports the demands of both Enterprise and Carrier customers for DNS, DHCP and other mission-critical services. The QIP 700 provides high performance and enhanced security along with lights-out management to simplify the IP Address Management (IPAM) needs of your organization.

The QIP 700 provides the base for the following functions:

- *AMS* (Appliance Management Software) – used to define, manage and monitor VitalQIP appliances
- *AMM* (Appliance Management Module) – supports DNS, DHCP and other mission critical applications
- Note: Alcatel-Lucent does not recommend deploying the *ESM* (Enterprise Server Module) function on a QIP 700

Coupled with other VitalQIP appliances – such as the QIP 1200 and QIP 5000 appliances – the QIP 700 appliance provides a lower-cost alternative for deploying the VitalQIP functionality you trust in remote locations where it is needed most. With the QIP 700 lights-out management functions, there is no need to dispatch technicians to check on the status of the appliances – just bring up a Web-based interface and monitor the hardware, restart the services or directly access the appliance console.



FEATURES	BENEFITS
One source for both the hardware and software	Simplifies support issues since one source addresses service needs
Balanced server platforms based on dual-core Intel Sandy Bridge processors	Exceptional performance from having balanced servers
“Green” dual-core processing	Increases server performance by doubling processing ability on a single chip without increasing power consumption
Low-cost, rack-mountable servers	Enables dedicating servers where they are needed without compromising quality or manageability
64-bit architecture	Extends the amount of server memory available
Flexible Support Options	Three-year next business day on-site repair warranty and advance replacement options are included
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)
- DNS/DHCP
- TFTP, NTP, SNMP
- Anycast DNS
- DNS High Availability
- DNS/DHCP Test Probes
- Others

CPU

- Intel Pentium G850 Sandy Bridge Dual-Core 64-bit 2.9 GHz

Memory

- 4 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: 1.69 in. (4.3 cm)
- Width: 17.09 in. (43.4 cm)
- Depth: 19.01 in. (48.3 cm)
- Add 1/2 inch (1.4 cm) for Alcatel-Lucent bezel

Weight (without racks)

- 17.8 lbs (8.1 kg)

Mounting racks: included

(2-post and 4-post racks)

Mean Time Between

Failure (MTBF)

- 27,000 hours

Power supply

- 250W non-redundant auto-ranging

Power consumption

- 65 watts

Voltage

- 110/220 AC automatic switching

Thermal load

- 1040 btu/hour maximum

Environment

- Ambient operating temp: 10°C to 35°C
- Ambient non-operating (storage) temp: -40°C to +65°C
- Operating relative humidity: 20% to 80%, non-condensing
- Non-operating relative humidity: 95%, non-condensing

System cooling

- Three fixed system fans

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: 50,000+ queries per sec. (qps) measured
- DHCP: 1,500+ leases per sec. (lps) measured