

# Alcatel-Lucent VitalQIP Appliance Manager

## 5000 PLATFORM

The Alcatel-Lucent VitalQIP™ Appliance Manager 5000 Platform is Alcatel-Lucent’s high-end appliance platform that provides NEBS-3, RAID-1 and ETSI-compliance for the VitalQIP Appliance Manager product family. The 5000 Platform provides the base hardware and operating environment for the following VitalQIP appliances:

- *ESM 5000* – VitalQIP Enterprise Server Module (ESM) Appliance
- *AMM 5000* – VitalQIP Appliance Management Module (AMM) Appliance

The 5000 Platform is a carrier-grade, 1U rack-mountable server that provides industry-leading CPU performance with two 64-bit multi-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 service needs
Two multi-core Intel Xeon processors	Performance-optimized, energy efficient processors
NEBS-3 compliant hardware	Fire-resistant hardware with the ability to withstand extreme heat, humidity, altitude and earthquake shock
Redundant AC or DC power	Uninterrupted operation with the ability to operate in your preferred operating environment

## Technical specifications

### VitalQIP appliances supported

- Enterprise Server Module (ESM)
- Appliance Management Module (AMM)

### CPU

- Two 64-bit Intel Xeon multi-core 2.33 GHz processors
- 4 MB cache

### Memory

- 8 GB
- 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

- Height: 1.70 in. (4.3 cm)
- Width: 16.93 in. (43 cm)
- Depth: 20 in. (50.8 cm)

### Weight (without racks)

- 19.5 lbs (8.8 kg)

### Mounting racks

- Mounting racks: included

### Power supply

- 450-watt 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 2 G, 11 ms 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: Four Gigabit Ethernet RJ-45
- USB 2.0: One front and two 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

- ESM/AMM: Hardened Red Hat Enterprise Linux 5 (64-bit)

### Performance specifications

- DNS: 60,000+ queries per sec. (qps) measured
- DHCP: 6,400+ leases per sec. (lps) measured