MOTOROLA SOLUTIONS

CAPACITY MAX NEXT-GENERATION DIGITAL TRUNKING SYSTEM

MOTOTRBO™ CAPACITY MAX SYSTEM SERVER

The next generation of trunking has arrived. MOTOTRBO Capacity Max blends real-world experience with technological innovation to deliver a communications solution that's tailor-made for your organization.

CENTRALIZED

Capacity Max is built around the Capacity Max System Server (CMSS). This centralized appliance hosts the Trunking Controller, Voice and Radio Command (VRC) gateway, System Advisor management application and CMSS Maintenance application (ESU: Enhanced Software Update). All of these are software applications run as virtual machines, and do not require individual pieces of dedicated hardware. The central system database is programmed through the Radio Management application, simplifying configuration. System Advisor centralizes status information, forwarding it via a northbound interface if required.

SECURE

Capacity Max is a highly secure system. It offers traffic encryption and subscriber authentication, and Subscriber Access Control (SAC) to define the services available to each user. The CMSS itself is a locked-down appliance, only configurable via the Radio Management application. It is inaccessible to malicious software and intrusion.

RELIABLE

The CMSS platform is a mature, reliable, enterprise-grade server with millions of hours of service in the field. It is configured with dual power supplies and RAID disk arrays for additional resiliency. It ships with a multi-year warranty as standard. A second CMSS can be deployed for physical and geographical redundancy.

SCALABLE

The CMSS is highly scalable: even the largest multi-site Capacity Max system can be supported on a single server. For control room applications requiring voice connections, a CMSS can route up to 100 external talkpaths. Additional CMSS servers can be provisioned as necessary. Capacity Max is scalable to 250 sites, with up to 15 voice and data repeaters and up to 6 additional data-only repeaters per site, giving high-quality connectivity to 3,000 users at each location.

SPECIFICATIONS

Model	HPE ProLiant DL380 Gen 9
Network Connectivity	Gb Ethernet (rear)
Serial Connections	5x External USB 3.0 (3x front, 2x rear) 2x Internal USB 3.0
AC Input Power	110/240 VAC, 50/60 Hz, 500 W
Standard Warranty	2 Years
Input Current Drain	9.4 A (100 VAC), 4.5 A (200 VAC)
Dimensions	3.4 x 17.5 x 28.8 in (8.7 x 44.6 x 73.0 cm)
Weight	51.5 lb (23.6 kg)
Mounting	2U 19" rackmount, full length
Operating Temperature	50 to 95 °F (10 to 35 °C) at sea level with an altitude derating of 1.8 °F for every 1000 ft (1.0 °C for every 305 m) above sea level
Storage Temperature	-22 to 140 °F (-30 to 60 °C). Maximum rate of change is 36 °F / hr (20 °C / hr)
Operating Relative Humidity	Minimum to be the higher (more moisture) of 10.4 °F (-12 °C) dew point or 8% relative humidity. Maximum to be the lower
Operating Altitude	Maximum allowable altitude: 10,000 ft (3050 m). This value is also limited by options installed
Non-operating Altitude	30,000 ft (9144 m). Maximum allowable altitude change rate is 1500 ft / min (457 m / min)

To find out more about Capacity Max System Servers, please go to
motorolasolutions.com/ap/mototrbo

*MOTO**TRBO***
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