



APPENDIX **A**

System Specifications

Table A-1 describes the system specifications for the mobility services engine.

Table A-1 **Specifications**

Dimensions	1.7 in. high (4.3 cm) 17 in. wide (43.2 cm) 20 in. deep (50.8 cm)	
Weight	20 lbs (9 kg)	
Power consumption	540 W (maximum input, power supply rating) 350 W (maximum output, power supply rating) Power factor correction	
Voltage	Input low range—90 to 127 (nominal) VAC; 47 to 63 Hz Input high range—180 to 264 (nominal) VAC; 47 to 63 Hz	
Temperature	Non-operating	–40 to 158°F (–40° to 70°C)
	Operating	50 to 95 °F (10° to 35°C), with the maximum rate of change not to exceed 50°F (10° C) per hour
Humidity	Non-operating—90% relative humidity, non-condensing at 95°F (35°C)	
Altitude	2000 m at 104°F (40°C)	
Shock	Operating—2.0 g, 11 msec, 1/2 sine	
	Packaged—Operational after a 24-inch free fall	
Acoustic noise	7 Bels in sound power for a typical office ambient temperature of 65 to 75°F (18 to 24°C)	
	Note Peripheral operation might change the noise level	
Electrostatic discharge (ESD)	Tested to 15 kilovolts (kV) with no component damage	
Hard disk	Quantity—Two drives	
	Interface type—Serial-ATA (SATA300)	
	Capacity—250 GB (each)	
DVD-ROM	8X DVD read, 24X CD read	
Ethernet NIC	Two 10/100/1000BASE-T Ethernet (NIC) ports	
	Two RJ-45 connectors	
Serial port	DB-9 connector for console port and serial communications	
Video port	DB-15 connector	

