



APPENDIX A

System Specifications

The following sections provide specifications for the Multiservices Platform Series:

- [General Specifications, page A-1](#)
- [Power Supply Specifications, page A-2](#)

General Specifications

[Table A-1](#) provides general specifications for the Multiservices Platform Series devices.

Table A-1 *Multiservices Platform Series General Specifications*

Item	1-RU Multiservices Platform Series	2-RU Multiservices Platform Series
Housing	1-RU × 19 in., four SATA front-loading drive bays	2-RU × 19 in., twelve SATA front-loading drive bays
Motherboard	Intel E5502 1.86 GHz Xeon dual-core CPU, 4 GB DDR3 RAM	Intel E5520 2.26 GHz Xeon quad-core CPU, 4 GB DDR3 RAM
LEDs	Power, hard-drive activity, network activity, system overheat/fan fail	Power, hard drive activity, network activity, system overheat/fan fail
Connectors	<ul style="list-style-type: none"> • USB2.0—2 ports • 10/100/1000M Ethernet—2 ports • Serial (RS-232)—1 port for video surveillance application 	
Video surveillance option cards	<ul style="list-style-type: none"> • Fiber channel card (see Appendix C, “Fiber Channel Card”) • Video capture card (see Appendix D, “16 x CIF / 4 x 4CIF Video Capture Card”) 	<ul style="list-style-type: none"> • Fiber channel card (see Appendix C, “Fiber Channel Card”)
Gross weight	<ul style="list-style-type: none"> • 24.5 lbs. (11.1 kg), four 1 TB hard-disk drives and one power supply • 18.5 lbs. (8.4 kg), with power supply, no hard drives, and no cards 	<ul style="list-style-type: none"> • 42.5 lbs. (19.3 kg), six 2 TB hard-disk drives and two power supplies • 27.5 lbs. (12.5 kg), no hard drives, no power supplies, no cards
Dimensions	1.7 in. × 17.2 in. × 19.8 in. (43 mm × 437 mm × 503 mm)	3.5 in. × 17.2 in. × 25.5 in. (89 mm × 437 mm × 648 mm)

Table A-1 Multiservices Platform Series General Specifications (continued)

Item	1-RU Multiservices Platform Series	2-RU Multiservices Platform Series
Power supply	One 300 W internal power supply	<ul style="list-style-type: none"> One 900 W internal power supply (optional) One 900 W (1+1) redundant internal power supply
Heat output	552 BTU/hour with four 1 TB hard drives	1,216 BTU/hour with twelve 2 TB hard drives
On-board storage options	<ul style="list-style-type: none"> Minimum—One 1 TB hard drives: approximately 874 GB (JBOD), for video surveillance application Maximum—Four 1 TB hard drives: approximately 2.58 TB (RAID-5), for video surveillance application 	One or two bundles of six 1 TB or 2 TB hard-disk drives (Cisco part number CPS-HDD-6TB-BNDL or CPS-HDD-12TB-BNDL)
On-board storage repositories options	<ul style="list-style-type: none"> 1 in JBOD configuration for video surveillance application 1 in RAID-5 configuration for video surveillance application 	1 in RAID-6 configuration for video surveillance application
Operating temperature	50° to 95° F (10° to 35° C)	
Non-operating temperature	−40° to 158° F (−40° to 70° C)	
Operating relative humidity	8% to 90% (non-condensing)	
Non-operating relative humidity	5% to 95% (non-condensing)	

Power Supply Specifications

The following tables provide specifications for the about Multiservices Platform Series power supplies:

- [Table A-2](#) provides power supply specifications for the Multiservices Platform Series 1-RU device
- [Table A-3](#) provides power supply specifications for the Multiservices Platform Series 2-RU device

Table A-2 1-RU Multiservices Platform Series Model Power Supply Specifications

	Power (W)	Power Factor	VA (W)	Volts	Amps
110 V/60 Hz					
Idle	124.4	0.971	128.4	120	1.06
Spin up surge	170.0	0.978	173.8	120	1.44
220 V/60 Hz					
Idle	122.3	0.864	142.2	220	0.65
Spin up surge	199.1	0.897	220.0	220	1.01

Table A-3 2-RU Multiservices Platform Series Model Power Supply Specifications

	Power	Power Factor	VA (W)	V	I
110 V/60 Hz					
Idle	266.30	0.9715	274.00	121.60	2.2530
Spin up surge	385.70	0.9841	392.70	122.56	3.2440
220 V/60 Hz					
Idle	267.20	0.9410	284.00	220.00	1.2900
Spin up surge	467.00	0.9730	480.60	220.00	2.1800

