Spare Component Recommendations

This appendix identifies the recommended type and number of spare components required to support the ASR 5500.

This appendix includes the following sections:

Spare Component Recommendations

This appendix provides a recommended quantity of spare components to be stocked as part of a sparing program for the ASR 5500. This information should only be used as a guideline for designing a sparing program that meets your company's design, deployment, and availability goals.

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Important Only fully-trained personnel, on-site or field engineering resources should exchange the Field Replaceable Units (FRUs) listed below.

Based on industry-leading redundancy and failover features incorporated within the system, Cisco recommends that the following minimum spare parts levels for any ASR 5500 deployment.

Table 1: Recommended FRU Parts Sparing Quantities

Component Name	Notes	Min. No. of Spares	Per "n" components
Chassis			
ASR 5500 Chassis, Base Components	1	1	20
ASR 5500 Chassis with Midplane	2	1	20
Power Filter Unit (PFU)	—	1	30
Fan Tray Unit, Front	—	1	8
Fan Tray Unit, rear	—	1	8
Air Filters, Front and Rear Air	—	1	1

Component Name	Notes	Min. No. of Spares	Per "n" components
Rear Cards			
Management Input/Output (MIO) with two 10 X 10GBASE-LR daughter cards	3	1	10
Management Input/Output Universal (UMIO) with two 10 X 10GBASE-LR daughter cards	3, 4	1	10
Management Input/Output (MIO) with two 10 X 10GBASE-SR daughter cards	5	1	10
Management Input/Output Universal (UMIO) with two 10 X 10GBASE-SR daughter cards	4, 5	1	10
Data Processing Card (DPC)	—	1	12
Data Processing Universal Card (UDPC)	6	1	12
Data Processing Card v2 (DPC2)	7	1	12
Data Processing Universal Card v2 (UDPC2)	7, 8	1	12
Front Cards			
Fabric and Storage Card (FSC)	—	1	30
System Status Card (SSC)	—	1	30
Miscellaneous			
Lug Kit (power and ground)	—	1	30

Notes:

1 Includes: (2) PFUs, front upper and lower fan tray units, rear upper and lower fan tray units, front and rear air filters.

2 Does not include PFUs, fan tray units or air filters.

3 Includes (20) 10GBASE-LR SFP+ modules.

4 Direct replacement for MIO card; requires U-PID license per installed UMIO. See *Chassis Universal License Requirements* for additional information.

5 Includes (20) 10GBASE-SR SFP+ modules.

6 Direct replacement for DPC; requires U-PID license per installed UDPC. See *Chassis Universal License Requirements* for additional information.

7 The DPC2/UDPC2 is not interchangeable with a DPC/UDPC.

8 Direct replacement for DPC2; requires U-PID license per installed UDPC2. See *Chassis Universal License Requirements* for additional information.