

## Power Consumption for an AC-Powered JCS1200 Platform

Table 1 lists the power requirements for base AC-powered routers operating under typical voltage conditions and includes nonredundant and redundant power supply configurations.

**Table 1: AC-Powered Base JCS1200 Platform Power Requirements**

AC Power Supply Configuration	Power Requirement (Watts)	AC Input at 90% Efficiency
4 AC power supplies, 4 fan modules, 1 management module, 1 media tray, 1 switch module, 1 midplane, 1 MUX card, 1 alarm panel module, (nonredundant configuration)	735 W	817 W (approximate)
4 AC power supplies, 4 fan modules, 1 management module, 1 media tray, 1 switch module, 1 midplane, 1 MUX card, 1 alarm panel module, 12 Routing Engines (nonredundant configuration)	4095 W	4550 W (approximate)
4 AC power supplies, 4 fan modules, 2 management modules, 2 media trays, 2 switch modules, 1 midplane, 1 MUX card, 1 alarm panel module, (redundant configuration)	1015 W	1128 W (approximate)
4 AC power supplies, 4 fan modules, 2 management modules, 2 media trays, 2 switch modules, 1 midplane, 1 MUX card, 1 alarm panel module, 12 Routing Engines (redundant configuration)	4375 W	4861 W (approximate)

Table 2 lists the lists the power requirements for various hardware components when the platform is operating under typical voltage conditions.

**Table 2: AC-Powered JCS1200 Platform Component Power Requirements**

Item	Power Requirement (Watts)	AC Input at 90% Efficiency
Alarm panel module	10 W	11 W
Fan module	85 W	94 W
Management module	20 W	22 W
Media tray	15 W	17 W
Midplane	10 W	11 W
MUX card	15 W	17 W
Power module	36 W	40 W

**Table 2: AC-Powered JCS1200 Platform Component Power Requirements** *(continued)*

Item	Power Requirement (Watts)	AC Input at 90% Efficiency
Routing Engine	280 W	311 W
Switch module	45 W	50 W

- Related Topics**
- Site Electrical Wiring Guidelines for the JCS1200 Platform
  - AC Power Supply Electrical Specifications for the JCS1200 Platform
  - Connecting the JCS1200 AC Platform to AC Power

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Published: 2010-01-25