

# Intel® Modular Server System MFSYS25

Power Cord Enabling Specification

**Revision 1.6** 

October, 2007

**Enterprise Platforms and Services Division** 

## Revision History

Date	Revision Number	Modifications	
June, 2007	1.0	Initial release.	
July, 2007	1.5	Added additional cord vendors	
October, 2007	1.6	Updated Name	

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# Table of Contents

1.	Introdu	ction	.1
2.	Power	Cord Specifications	.1
2	2.1	1000 Watt Power Supply Specifications	. 1
2	2.2	Cord and Service	. 2
3.	Power	Supply Cordsets	. 2
3	3.1	North American Power Supply Cordsets	.3
3	3.2	European Power Supply Cordsets	. 4
3	3.3	People's Republic of China Power Supply Cordsets	. 5
3	3.4	Japanese Power Supply Cordsets	.6
3	3.5	International IEC Power Supply Cordsets	.7



## 1. Introduction

This document helps customers procure power cords for the Intel® Modular Server System MFSYS25.

This information is available for each power cord by geographical region:

- Component description and function
- Part numbers and revision levels
- Vendor contact information

## 2. Power Cord Specifications

The Intel® Modular Server System MFSYS25 does not include power cordsets for the four 1000-watt power supplies because of the unique requirements and differing AC services in regions where the system may be shipped.

The maximum input/output power expectations of the server system are:

System power input: 85% efficiency at 115-220 VAC

System power output: 1000 Watt

#### 2.1 1000 Watt Power Supply Specifications

The AC input specifications of the 1000-watt power supply are:

Parameter	Minimum	Nominal	Maximum	Unit
Input Voltage (110)	90	100-127	140	VAC <sub>rms</sub>
Input Voltage (220)	180	200-240	264	VAC <sub>rms</sub>

The AC inlet connector is an IEC-60320-C13 receptacle (rated for 15A, 250VAC).

#### 2.2 Cord and Service

The following criteria should be used for the wire cord and AC service selection for the Intel<sup>®</sup> Modular Server System MFSYS25. Verify your selection for the safety requirements of each application with a certified safety and regulatory professional.

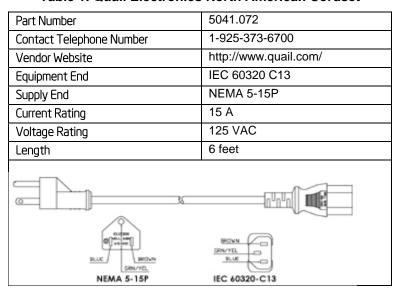
- In North America, the cord must be UL Listed/CSA Certified, 16/3, type SJT/SO, with NEMA 6-15P or equivalent attachment plug and IEC 320 C13 plug outlet.
- Outside of North America, the cord must be flexible VDE certified or HAR rated 250V, 3 x 1mm minimum conductor size with IEC 320 C13 outlet, and rated for no less than the product ratings. The AC wall attachment plug shall be a three conductor grounding type, rated at 125% of the total input current rating and must be for the configuration of the specific region or country. The AC wall attachment plug must bear at least an accepted safety agency certification mark for the specific region or country.
- The exhaust air of the power supply shall not impose temperatures that will exceed the maximum allowable temperature of the power cord.
- The cord must be no longer than 2.5 meters (8.20 feet).
- Do not attempt to modify or use an AC power cord that is not the exact type required.

## 3. Power Supply Cordsets

The vendor information below helps you identify a supplier for a suitable power cordset. The selections are assembled cordsets, not raw parts. Check your power source electrical outlets to determine suitability.

## 3.1 North American Power Supply Cordsets

**Table 1. Quail Electronics North American Cordset** 

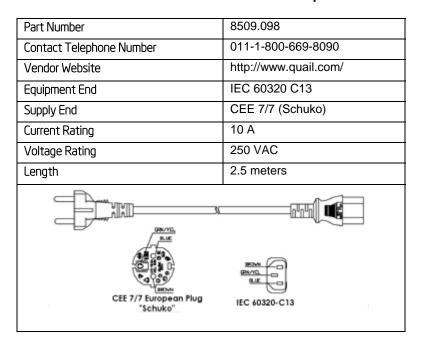


**Table 2. Interpower Corporation North American Cordset** 

Part Number	86221590
Contact Telephone Number	1-800-662-2290
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	NEMA 5-15
Current Rating	15 A
Voltage Rating	125 VAC
Length	2.5 meters

## 3.2 European Power Supply Cordsets

**Table 3. Quail Electronics Continental Europe Cordset** 

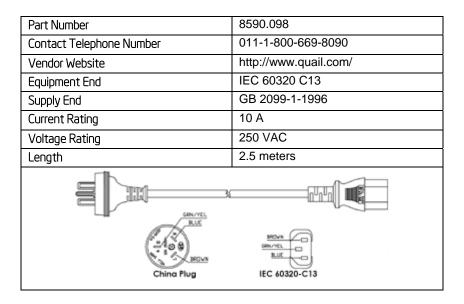


**Table 4. Interpower Corporation Continental Europe Cordset** 

Part Number	86231530
Contact Telephone Number	44 (0) 1908 327700
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	CEE 7/7
Current Rating	10 A
Voltage Rating	250 VAC
Length	2.5 meters
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26.3 —	24.9
8	

## 3.3 People's Republic of China Power Supply Cordsets

**Table 5. Quail Electronics PRC Cordset** 

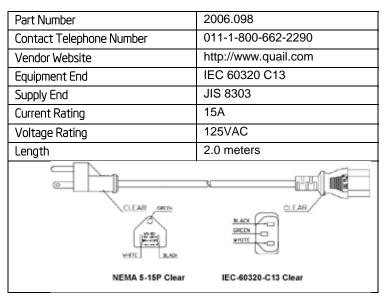


**Table 6. Interpower Corporation PRC Cordset** 

Part Number	86517040	
Contact Telephone Number	44 (0) 1908 327700	
Vendor Website	http://www.interpower.com/	
Equipment End	IEC 60320 C13	
Supply End	GB 2099-1-1996	
Current Rating	10 A	
Voltage Rating	250 VAC	
Length	2.5 meters	
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## 3.4 Japanese Power Supply Cordsets

 Table 7. Quail Electronics Japaneese Cordset



**Table 8. Interpower Corporation Japaneese Cordset** 

Part Number	86589010
Contact Telephone Number	44 (0) 1908 327700
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	JIS 8303
Current Rating	15 A
Voltage Rating	125 VAC
Length	2.4 meters
6.3 1 26 -	60

## 3.5 International IEC Power Supply Cordsets

**Table 9. International IEC Cordset** 

Part Number	0128.096
Contact Telephone Number	011-1-800-669-8090
Vendor Website	http://www.quail.com/
Equipment End	IEC 60320 C13
Supply End	ROJ, Remove Outter Jacket
Current Rating	10A
Voltage Rating	125VAC
Length	2.5 meters
Ununu Plus	36
IEC 60320-C13	Standard ROJ