Intel® Server System S7000FC4UR

Power Cord Enabling Specification

Revision 1.0

January, 2007

Enterprise Platforms and Services Division - Marketing

Revision History

Date	Revision Number	Modifications
January, 2007	1.0	Initial release.

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1. Introduction

This document helps customers procure power cords for the Intel® Server System S7000FC4UR.

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® Server System S7000FC4UR does not include power cordsets for the two 1570-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: 80% efficiency at 90-240 VAC
- System power output: 1570 Watt

2.1 1570 Watt Power Supply Specifications

The AC input specifications of the 1570-watt power supply are:

Parameter	Minimum	Nominal	Maximum	Unit
Input Voltage (Low Line)	90	100-127	140	VAC_{rms}
Input Voltage (High Line)	180	200-240	264	VAC_{rms}
Input Current (90VAC)			14.4	A_{rms}
Input Current (103.5VAC)			14.4	A_{rms}
Input Current (180VAC)			11.1	A_{rms}

The AC inlet connector is an IEC320 C14 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® Server System S7000FC4UR. Verified 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 cord must be no longer than 4.5 meters (14.76 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 and verify the safety requirements of each application with a certified safety and regulatory professional.

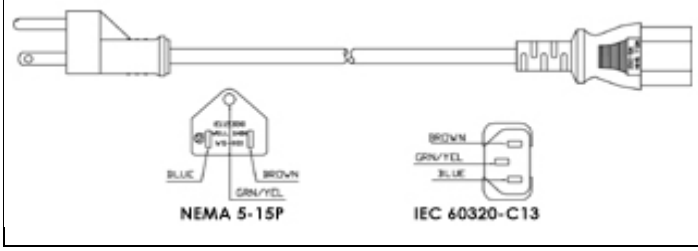
3.1 North American Power Supply Cordsets

Table 1. 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
	

Table 2. Quail Electronics North American Cordset

Part Number	5041.072
Contact Telephone Number	1-925-373-6700
Vendor Website	http://www.quail.com/
Equipment End	IEC 60320 C13
Supply End	NEMA6-15P
Current Rating	15 A
Voltage Rating	125 VAC
Length	6 feet



3.2 European Power Supply Cordsets

Table 3. Interpower Corporation Continental Europe Cordset

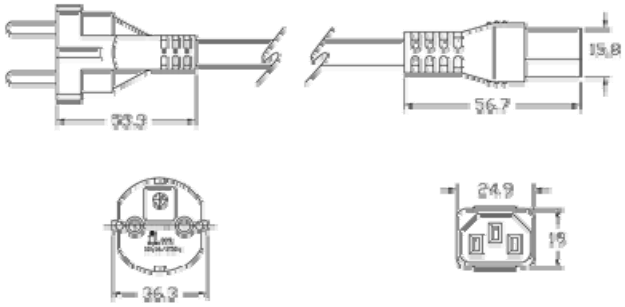
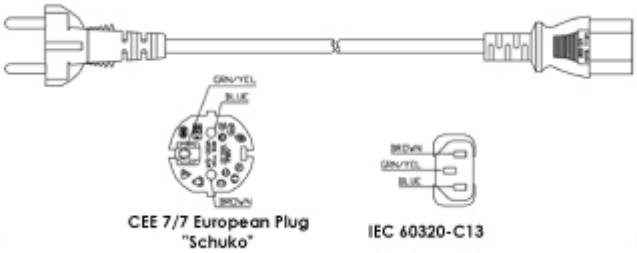
Part Number	86231530
Contact Telephone Number	44 (0) 1908 327700
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	CEE 7/7
Current Rating	10 A
Voltage Rating	250 VAC
Length	3.5 meters
	
	

Table 4. Quail Electronics Continental Europe Cordset

Part Number	8500.098
Contact Telephone Number	011-1-800-669-8090
Vendor Website	http://www.quail.com/
Equipment End	IEC 60320 C13
Supply End	CEE 7/7 (Schuko)
Current Rating	10 A
Voltage Rating	250 VAC
Length	2.5 meters
	

3.3 Chinese Power Supply Cordsets

Table 5. Interpower Corporation Chinese Cordset

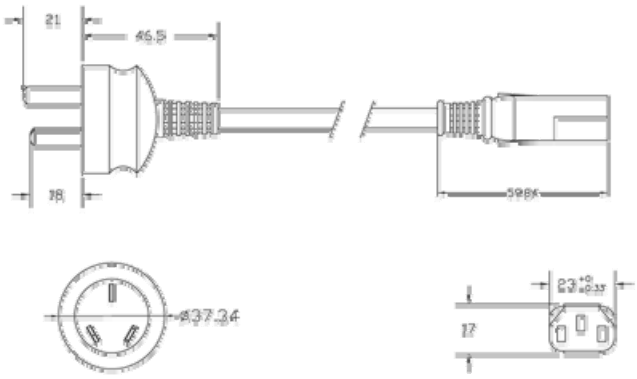
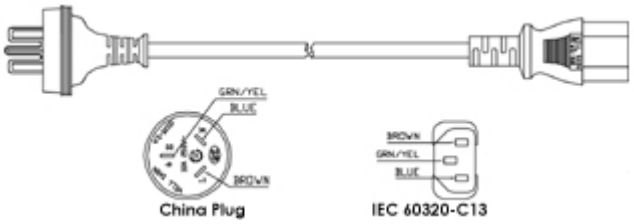
Part Number	86517040
Contact Telephone Number	44 (0) 1908 327700
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	GB 2099-1-1996
Current Rating	10 A
Voltage Rating	250 VAC
Length	2.5 meters
	
	

Table 6. Quail Electronics Chinese Cordset

Part Number	8590.098
Contact Telephone Number	011-1-800-669-8090
Vendor Website	http://www.quail.com/
Equipment End	IEC 60320 C13
Supply End	GB 2099-1-1996
Current Rating	10 A
Voltage Rating	250 VAC
Length	2.5 meters
	

3.4 United Kingdom Power Supply Cordsets

Table 7. Interpower Corporation United Kingdom Cordset

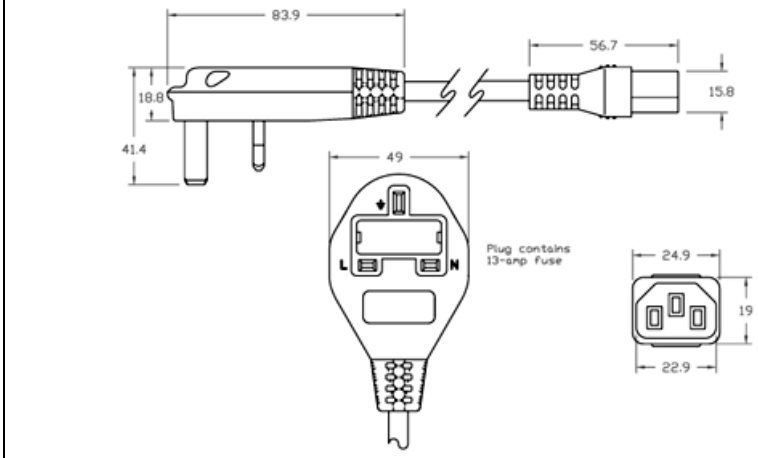
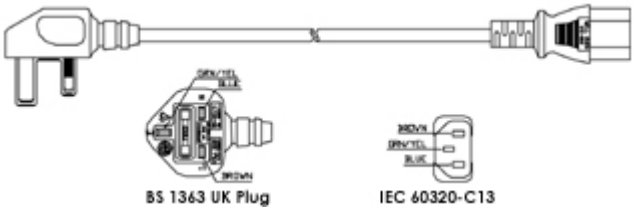
Part Number	86240080
Contact Telephone Number	44 (0) 1908 327700
Vendor Website	http://www.interpower.com/
Equipment End	IEC 60320 C13
Supply End	U.K. Plug BS 1363
Current Rating	10 A
Voltage Rating	250 VAC
Length	3.5 meters
	
	

Table 8. Quail Electronics United Kingdom Cordset

Part Number	9650.098
Contact Telephone Number	011-1-800-669-8090
Vendor Website	http://www.quail.com/
Equipment End	IEC 60320 C13
Supply End	U.K. Plug BS 1363
Current Rating	10A
Voltage Rating	250VAC
Length	2.5 meters
 BS 1363 UK Plug IEC 60320-C13	