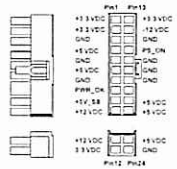
English

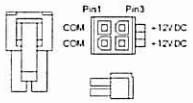
1 Installation Instructions

1. Disconnect all mains power from the computer at the plug.
2. Remove the case/cover from your PC system.
3. Unplug all power connectors from the old power supply.
4. Remove the four screws from the rear of the case that hold the old power supply to the chassis, then remove the old power supply from the case.
5. Screw the four screws into the rear of the case that hold the FSP power supply to the chassis.
6. Reconnect all power connectors from the FSP power supply to the computer components. The plugs will only fit one way, so if they don't fit, do not try to force them, just try them the other way round.
7. Ensure no screws remain loose inside the casing as these could potentially short-circuit your motherboard.
8. Replace the case/cover.

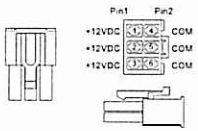
2 Description of Connectors



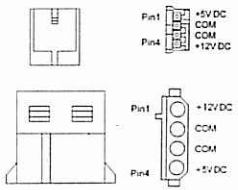
Main power connector



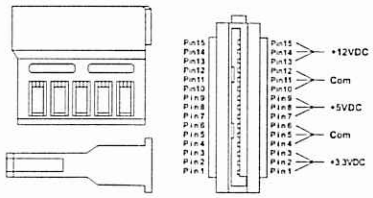
+12V power connector



+12V PCI Express connector



Peripheral power connector



Serial ATA power connector

3 Electrical Specification

A. Input Voltage :

(1) Model : ZEN400 : 110VAC-240VAC (50Hz - 60Hz)

B. Output Voltage :

(1) Model : ZEN400

OUTPUT VOLTAGE	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD
+3.3V	0.0A	10A	20.0A
+5V	0.0A	7.0A	14.0A
+12V1	0.2A	7.0A	14.0A
+12V2	0.2A	6.5A	13.0A
-12V	0.0A	0.25A	0.5A
+5Vsb	0.0A	1.25A	2.5A

(1) The +3.3V and +5V total output shall not exceed 130W.
(2) Total output power max is 400W.
(3) Max peak power is 560W.

*All specifications are subject to our actual product

4 Protection

A. Over-Voltage Protection

Voltage Source	Protection Point
+3.3V	3.76V-4.8V
+5V	5.6V-7.0V
+12V	13.0V-16.5V

B. Over-Current Protection

There will be protection from an output over-current event. The power supply may shut down from such an event and require power-on restart.

C. Short-Current Protection

Output short circuit is defined to be a short circuit load of less than 0.1 ohm. In the event of a short circuit condition on the +3.3V, +5V or +12V(-12V) output, the power supply will shut down and latch off without damage to the power supply. The power supply should return to normal operation after the short circuit has been removed and the power switch has been turned off for no more than 2 seconds.

5 Safety and EMI

The power supply unit have been certified by the following safety and EMI certifications : cUL, Nemko, CE, CB, GOST, FCC

6 Warning

(1) Do not open the top cover of the power supply unit !

(2) Please avoid exposing the power supply to high humidity.

7 Trouble shooting

If the power supply unit fails to function properly, please check the following:

- Is the AC input plugged in properly and electrical outlet switched on?
- Check that all the output connectors are connected properly to all the components.
- Disconnection the power cord from the unit can reset the power supply unit

However, if the power supply still does not function properly, please contact your original vendor or retailer for repair or replacement.

Please refer to the FSP website for further information :

www.FSPLifeStyle.com