250 Watt 80Plus Bronze Power Supply

The Shuttle XPC Accessory PC45G is an internal AC to DC power supply unit (PSU) meant as a replacement device for certain Shuttle products. It provides a maximum output wattage of 250 Watt. Its 80 PLUS® Bronze and Energy Star V5.0 compliance helps save on energy costs as compared to previous power supply models such as PC40. In addition, its double ball-bearing fan has a longer lifetime and faces to the inside which reduces the noise level to a minimum.

XPC Accessory
PC45G

Feature Highlights

Input	• Input Voltage: 90~264 V AC (auto-adjust) • Input Current: max. 3.0~1.5 A • Frequency: 47~63 Hz • Active PFC (Power Factor Correction) • Over voltage protection (OVP) • Connector: cold-device plug, 3-pin with PE
Output	• Total combined output (3.3/5/12V): 250W for 3.3V/5V: 100W, for 12V: 216W • Max. Current: +3.3V (18A), +5V (18A), +12V (17A), -12V (0.3A), +5Vsb (2A) • Hold up time: >17ms (full load, 115V AC) • +12V Rise time: <20ms (full load) • Protection: OTP/OPP/UVP/OCP/SCP/OVP
Connectors	• 1x main mainboard connector (24-pin ATX) • 1x mainboard 12V AUX (4-pin ATX) • 3x Serial ATA connectors (15-pin SATA) • 2x Molex connectors (4-pin IDE/PATA) • 1x Floppy connector (4-pin FDD)
Energy efficiency	80PLUS Bronze compliant: the PSU provides at least 82/85/82% efficiency at 20/50/100% load. Aligns to the power supply requirements of Energy Star V5.0
Compliance	• CE, CB, WEEE, ErP, RoHS
Other	• Dimension: 150 x 80 x 40 mm (DWH) • Flex ATX form factor • 40 mm double ball-bearing fan • PSU manufacturer: Fortron Source Techn. Product ID of manufacturer: 9PA250CX03
Compatibility	• **Compatible with** XPC chassis of the G, G2, G5, G6 series and the XPC model ST61G4 • **NOT compatible with** SD11G5, SS56L, SK83G, SN85G4, SN95G5 and ST20G5.
Package contents	• Internal AC power supply with angle holder • Quick guide

ATX
24 pin

ATX
12V
4 pin

1x
Floppy

2x
Molex

3x
S-ATA

Order number: POC-PC45G01

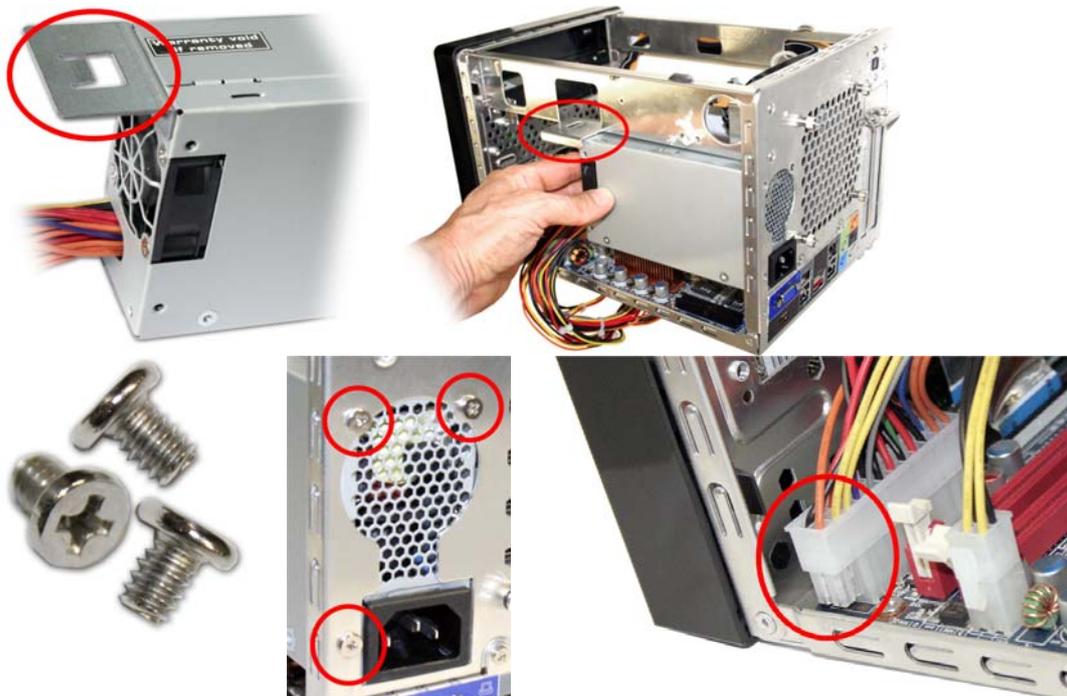## Easy installation of PC45G

Caution:

Do not attempt to open or service this device. Changes or modifications done to this product not approved by the manufacturer will void warranty and violate CE approval. In case you haven't got necessary technical knowledge how to install the device, please consult an expert or have a specialist company install it for you.

Removing the old power supply unit

1. Unplug the computer from the mains.
2. Open the computer.
3. Disconnect all connections between the old power supply unit and the various components such as the mainboard, the hard drive and graphics card, etc.
4. Unscrew the screws that are used to secure the power supply unit to the back of the computer and carefully remove the power supply unit.

Installing the new power supply unit

1. Please fit the power supply into the chassis with the angle holder hooked in as shown in the picture.
2. Please affix the power supply on the rear side of the chassis using three screws (6-32 UNC x 5 mm).
3. Now start re-connecting the components to the power supply unit. Never force a connector into a socket, as this may result in damage of the power supply unit and possible other hardware components which is not covered by the warranty.
4. **Notice:** This power supply has a 24-pin connector for the mainboard. The Shuttle XPCs compatible with this power supply however come with a 20-pin connector so that 4 pins will stick out then (see picture).
5. Check all cable connections and make sure all components have been properly connected. Proceed to plug the power cord into the power supply and connect the computer to the mains. If the computer now boots correctly, any components are correctly connected and the installation process is complete.

Images are for illustration purpose only.