500W Power Supply for Shuttle XPCs

The Shuttle XPC Accessory PC63J is a high-end power supply with a maximum output wattage of 500W suitable for certain XPCs with H-, J-and R-series case. With a low noise level of only 30dB, it is ideal for use in any noise-sensitive environments such as a library and offices. Thanks to its 80 PLUS Silver certification for power-efficient devices, this power supply is also suitable for ENERGY STAR® compliant systems. Benefit from less power consumption and less energy costs using PC63J.

Feature Highlight

Input	• Input Voltage: 100~240V AC • Input Current: 8A / 4A (115/230V AC) • Frequency: 60~50 Hz • Active PFC (Power Factor Correction)
Output	• Total combined output (3.3/5/12V): 500W • Total combined output (3.3/5V): 130W • Max. Current: +12V1: 16A / +12V2: 16A / +12V3: 17A / +3.3V: 18A / +5V: 16A / +5VSB: 2.5A (Standby) / -12V: 0.3A • Hold up time: >17ms (full load, 115V AC) • +12V Rise time: <20ms (full load) • Protection: OTP/OPP/UVP/OCP/SCP/OVP
Energy efficiency	• 80PLUS Silver compliant [1]: the PSU provides at least 85/89/85% efficiency at 20/50/100% load. aligns to the power supply requirements of Energy Star 4.0
Connectors	• Mainboard ATX 4+4 pin (12V) + 20 pin • 3x S-ATA, 2x Molex, 1x FDD, PCIe 6+6+2 • Cable length designed for the XPC
Environ-mental	• Operating Temperature: 10~50°C • Storage Temperature: -40~70°C • MTBF: >100.000 hours (75% load, 25°C) • Noise: <30dB at 50cm for 200W Load
Safety/EMI	• EMI/RFI: FCC class B, CE, BSMI, CCC • Safety: cUL, TÜV, CB, BSMI, CCC
Other	• Dimension: 200 x 82 x 53 mm (l x w x h) • Weight: 1.1kg net, 1.2kg gross
Compatibility	• Supported Shuttle XPC models: H series: SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SX58H7(Pro) J series: SG41J1/J4, SH55J2, SX58J3 R series: SH61R4, SH81R4, SZ68R5, SZ77R5, SX79R5, SH87R6, SZ87R6, SH97R6, SH110R4, SH170R6 (Plus), SZ170R8(V2), SZ270R8(P) • Cable lengths designed for the Shuttle XPC

XPC Accessory PC63J

ATX 20 pin

ATX 12V 4+4 pin

6 pin & 6+2-pin PCIe X16

1x Floppy

2x Molex

3x S-ATA

UPC Code until 2017:

8 11686 00544 5

New UPC code since March'17:

8 87993 80007 3

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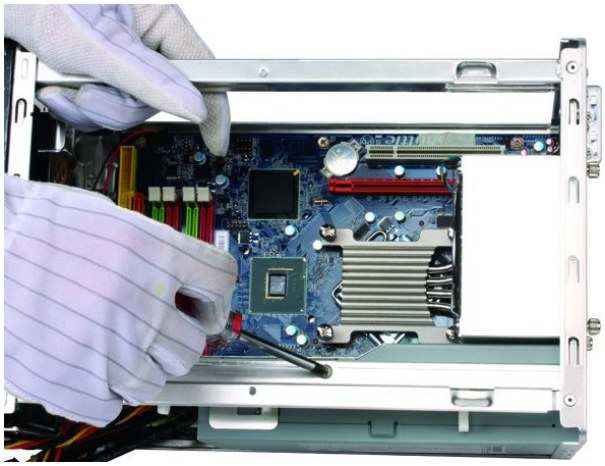
Easy installation of PC63J

① Place the power supply in position. Secure from the back with three Phillips head screws.

② Feed the HDD cable through the reverse hole as shown and attach to storage devices.

③ Attach the 20-pin ATX and 2x2-pin (or 1x4-pin) power supply plugs to the mainboard.



④ Finally, secure again from top with Phillips head screw.

Images are for illustration purpose only.

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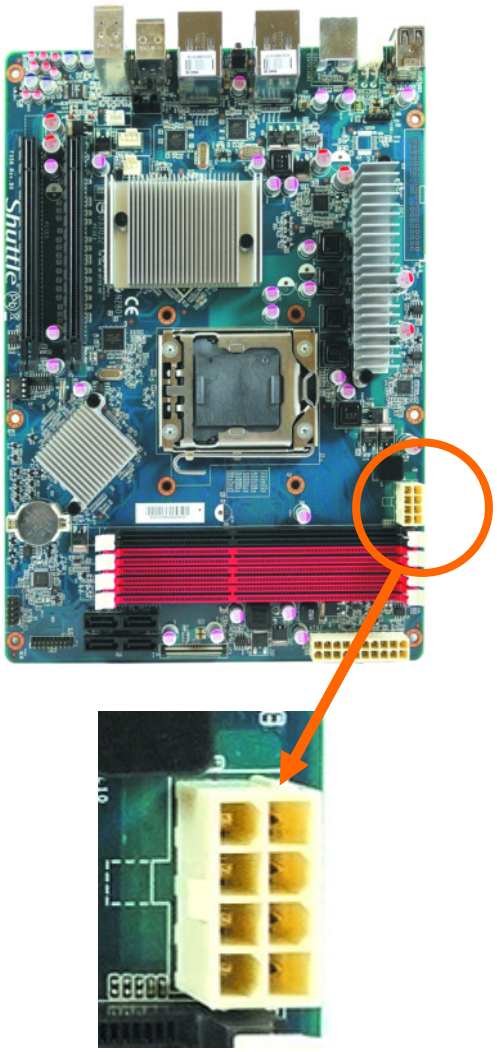
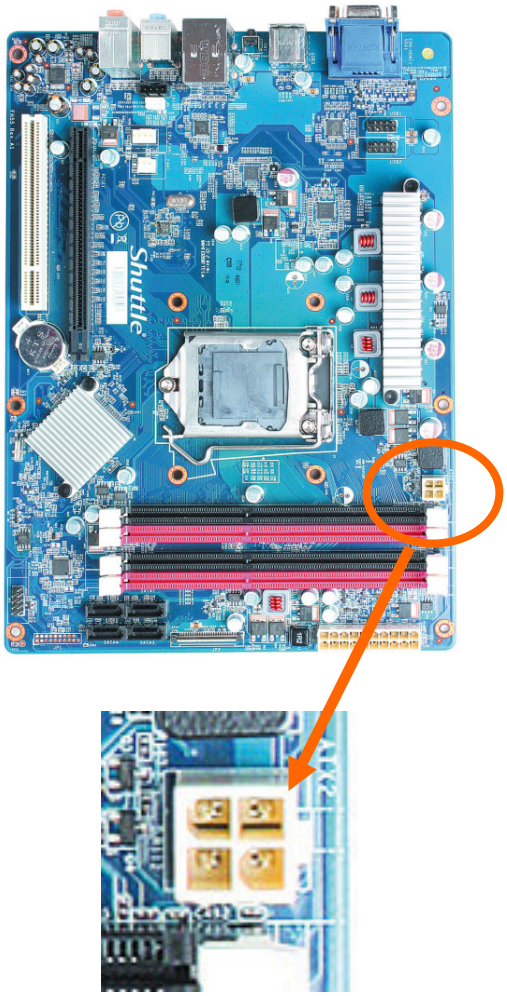
Universal ATX12V plug

Example: SX58J3



Example: SH55J2



The ATX12V plug of the power supply consists of two 4-pin plugs, which can be combined to one single 8-pin plug. They can easily be separated again by using long-nosed pliers (as shown in the photo).

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Power Supplies for XPCs with H, J and R chassis

Power Supply	PC61J	PC63J
Output wattage	300W	500W
Efficiency logo	80 PLUS Bronze	80 PLUS Silver
Additional power connectors for graphics cards	6-pin (75W) 	6-pin (75W) and 6+2-pin (150W) 
Compatible Shuttle XPCs	• Upgrade kit for **SG41J1, SG41J4, SH61R4** • Standard-power supply for **SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SH55J2, SH87R6, SH110R4, SH170R6**	• Upgrade kit for **SG41J1, SG41J4, SH61R4, SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SH55J2, SH87R6, SH97R6, SH110R4, SH170R6** • Standard-power supply for **SX58H7 (Pro), SX58J3, SZ68R5, SZ77R5, SX79R5, SZ87R6, SH170R6 Plus, SZ170R8(V2), SZ270R8(P)**

Please refer to the support list for detailed graphics card support information.

[1] Note: The PC63J power supply (500W) complies with the requirements for the 80 PLUS Silver logo. This also applies for PC63J that are labeled with an 80 PLUS Bronze logo.

Test report: http://www.plugloadsolutions.com/psu_reports/SHUTTLE_PC63I1005_500W_ECOS%203460_Report.pdf

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