Efficient 300W Power Supply for Shuttle XPCs

XPC Accessory
PC61J

The Shuttle XPC Accessory PC61J is a high-end power supply with a maximum output wattage of 300W suitable for certain Shuttle XPCs of the H, J and R series. With a low noise level, it is ideal for use in any noise-sensitive environments such as a library and offices. Thanks to its 80 PLUS Bronze 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 PC61J..

Feature Highlight

Input	• Input Voltage: 100~240V AC • Input Current: 6A / 3A (115/230V AC) • Frequency: 60~50 Hz • Active PFC (Power Factor Correction)
Output	• Total combined output (3.3/5/12V): 300W • Total combined output (3.3/5V): 80W • Max. Current: +12V1: 16A / +12V2: 16A / +3.3V: 12A / +5V: 15A / +5VSB: 2A (Standby) / -12V: 0.3A • Protection: OTP/OPP/UVP/OCP/SCP/OVP • +5V Standby voltage: 2A
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 4.0
Connectors	• Mainboard ATX 4 pin (12V) + 20 pin • 3x S-ATA, 2x Molex, 1x FDD, PCIe 6 pin • 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)
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 J series: SG41J1/J4, SH55J2 R series: SH61R4, SH81R4, SH87R6, SH97R6, SH110R4, SH170R6, SH300 Series (see page 2) • Cable lengths designed for the Shuttle XPC.

ATX
20 pin

ATX 12V
4 pin

6 pin
PCIe X16

1x
Floppy

2x
Molex

3x
S-ATA

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Compatibility with Shuttle XPC Barebones SH300 Series

Notification: For many years Shuttle XPC cube Barebones have been using power supplies (PSUs) that are also available as retail products **PC61J** (300 W) and **PC63J** (500 W). However, a changed EU standard requires a change of the power supply type – with the same power characteristics, but with different dimensions. Since the end of 2020, Shuttle XPC cube Barebones of the SH300 series will be shipped in stages with a new power supply type that is no longer compatible with PC61J and PC63J (see table).
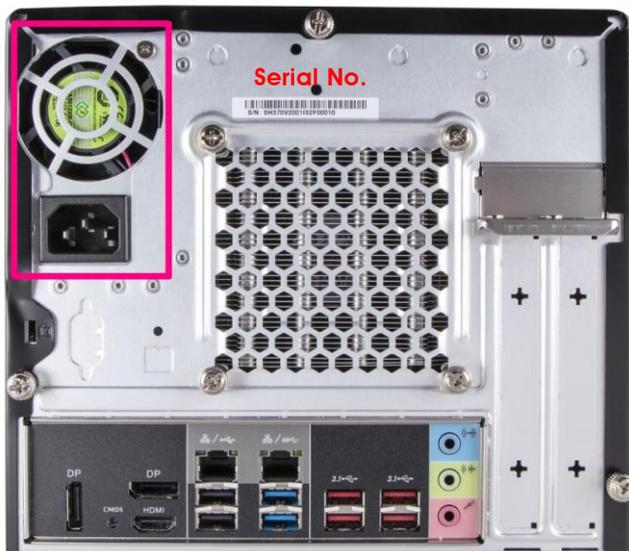
Shuttle XPC cube Barebones SH300 series:

Product Name	Launch Date	Built-in PSU	Product Stickers			Shuttle PSU accessory compatible?	
			UPC Code	Part No.	Serial No.	PC61J (300 W)	PC63J (500 W)
SH310R4	Dec'18	Type 1, 300 W	88799300**159**-3	74R-SH310R4-00**3**-SHU-001	SH310R40**3**01...	Yes	Yes (Upgrade)
SH310R4V2	Mar'19	Type 1, 300 W	88799300**164**-7	74R-SH310V2-00**2**-SHU-001	SH310V20**2**01...	Yes	Yes (Upgrade)
	TBA	Type 2, 300 W	88799300**267**-5	74R-SH310V2-00**5**-SHU-001	SH310V20**5**01...	No	No
SH370R6	Jun'18	Type 1, 300 W	88799300**152**-4	74R-SH370R6-00**2**-SHU-001	SH370R60**2**01...	Yes	Yes (Upgrade)
SH370R6V2	Jul'19	Type 1, 300 W	88799300**174**-6	74R-SH370V2-00**3**-SHU-001	SH370V20**3**01...	Yes	Yes (Upgrade)
	Nov'20	Type 2, 300 W	88799300**266**-8	74R-SH370V2-00**8**-SHU-001	SH370V20**8**01...	No	No
SH370R6 Plus	Sep'18	Type 1, 500 W	88799300**154**-8	74R-SH370R6-00**3**-SHU-001	SH370R60**3**01...	Yes (Downgrade)	Yes
SH370R6V2 Plus	Aug'19	Type 1, 500 W	88799300**182**-1	74R-SH370V2-00**4**-SHU-001	SH370V20**4**01...	Yes (Downgrade)	Yes
	TBA	Type 2, 500 W	88799300**268**-2	74R-SH370V2-00**9**-SHU-001	SH370V20**9**01...	No	No
SH370R8	Apr'19	Type 1, 500 W	88799300**161**-6	74R-SH370V2-00**2**-SHU-001	SH370R80**2**01...	Yes (Downgrade)	Yes
	Nov'20	Type 2, 500 W	88799300**265**-1	74R-SH370V2-00**7**-SHU-001	SH370R80**7**01...	No	No

Shuttle XPC cube Barebone SH300 Series – Power Supply Comparison

Previous model (Type 1) Dimensions: 200 x 82 x 53 mm (LHW)	**New version (Type 2)** Dimensions: 150 x 80 x 40 mm (LHW)

Serial No.

Serial No.

Suitable Power Supply available as Retail Products:
PC61J (300 W) and **PC63J** (500 W)
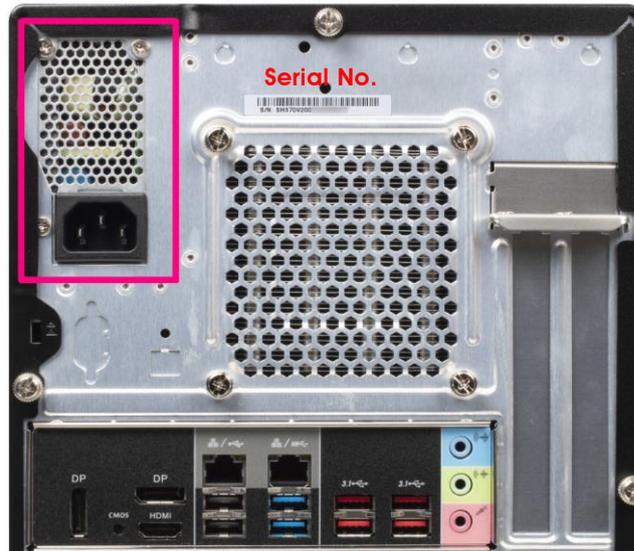
Suitable Power Supply available as Spare Parts.

Easy installation of PC61J

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.

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 Bronze
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**	• Upgrade kit for **SG41J1, SG41J4, SH61R4, SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SH55J2** • Standard-power supply for **SX58H7 (Pro), SX58J3, SZ68R5, SZ77R5, SX79R5**

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