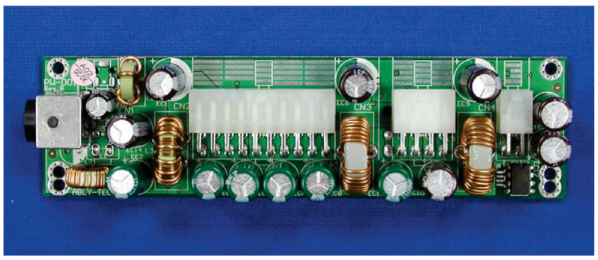
# PW-D01 DC/DC Board



**Specifications:**

- Input:
  Input voltage: DC 14V Min./ 20V Max.
  Input power: 170W Max.
  Efficiency: > 88% at full load
- Output:
  Output power: 150W Max. at convection cooling.
  5VSB: 2A
  5V: 9A Max.
  3.3V: 7A Max.
  12V: 9A Max.
  -12V: 0.1A Max.
  Line regulation: 1%
  Load regulation: 5%
  Ripple and noise: 2% for -12V, 1% for others
- Protection:
  Over Voltage: 3.3V, 5V and 12V
  Under Voltage: 3.3V and 5V
  Short Circuit: 3.3V, 5V and 12V
- Input connector:
  Model PW-D01 (100W or less)
  CN1: 4.2 pitch (brown), 2x2 female

  Model PW-D01-C (100W or less)
  CN1: Circular DC Jack 5.5/2.5 female
  Model PW-D01-D (120W/150W)
  CN1: 4-pin DIN Jack female
  Model PW-D01-DR (120W/150W)
  CN1: 4-pin DIN Jack female; facing right.
- Output connector:
  CN2(ATX): 4.2 pitch (white), 2x10 female
  CN3: 4.2 pitch (white), 2x4 female
  CN4: 4.2 pitch (white), 2x2 female
- Dimensions: 160 x 43 x 25mm (low-profile design)
- Operating Temperature: -25°C to 70°C
- EMI: meets limits FCC part 15 class B and CE Marking
- Applications: for Mini-ITX PC, Slim PC, Panel PC.

**Installation:**

1. Mount the PW-D01 DC-DC board firmly on metal chassis.
2. Allow enough clearance underneath to prevent short-circuit.
3. Connect output cables to connectors CN2, CN3 and CN4.
4. Connect cables to motherboard and devices.
5. Connect the AC-DC adapter to connector CN1 directly or through extension cable. (Note: the AC-DC adapter should not be powered at this moment.)
6. Apply AC power to the AC-DC adapter.
7. Your system's power is ready.

**Cautions:**

1. Be careful for any short circuit.
2. Do not exceed the rated power.
3. Remove AC power first in case of power failure.

* Specifications are subject to change without prior notice