X102-DC30

DC to DC Module Board

Specifications

Input Voltage: 6V - 30V
Maximum Output: 120W
Connectors

- One 3-pin DC-in Connector
- One 4-pin ATX 12V power
- One 20-pin ATX power
- One 4-pin FDD power

Environments

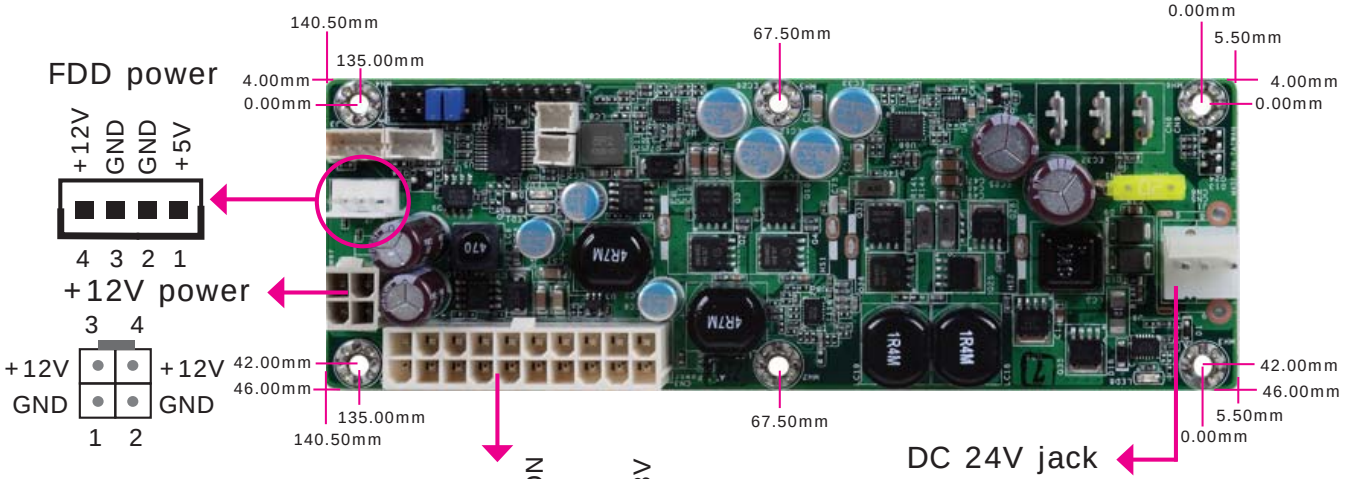
- Temperature: 0-60°C / 32-140°F
- Relative Humidity: 10%-90%

Output Voltage: power for DC voltages

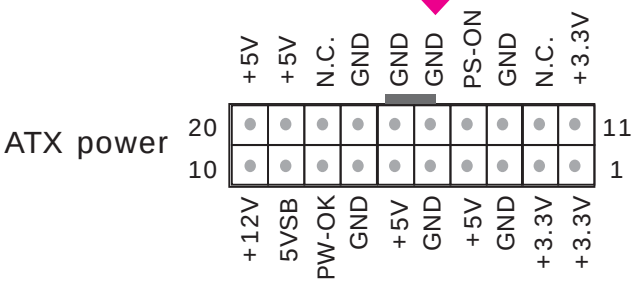
Output Voltage	Output Current (maximum)
+3.3V ±5%	6.0A
+5V ±5%	6.0A
5VSB ±5%	1.5A
+12V ±5%	5A
-12V ±10%	0.15A

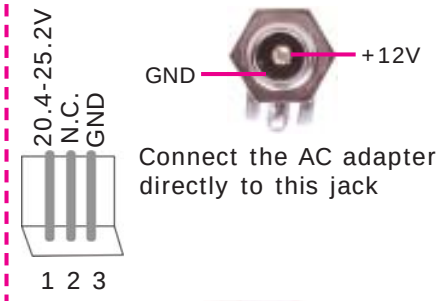
PCB: 6 layers, 146mm x 50mm
height: 20mm

Board Layout and Pin Functions



The adapter card may come equipped with either the 3-pin DC connector (left) or DC jack (right)





Connect the AC adapter directly to this jack

Connect to the 3-pin DC connector of X102-DC24

Use the cable on the left to connect the DC jack

Connect the AC adapter directly to this jack

Cable

Connect to the +24V power connector of X102-DC24

IDE power

FDD power

Connect to the ATX power connector of the motherboard

Connect to the ATX power connector of X102-DC24

Connect to the +24V power connector of the motherboard

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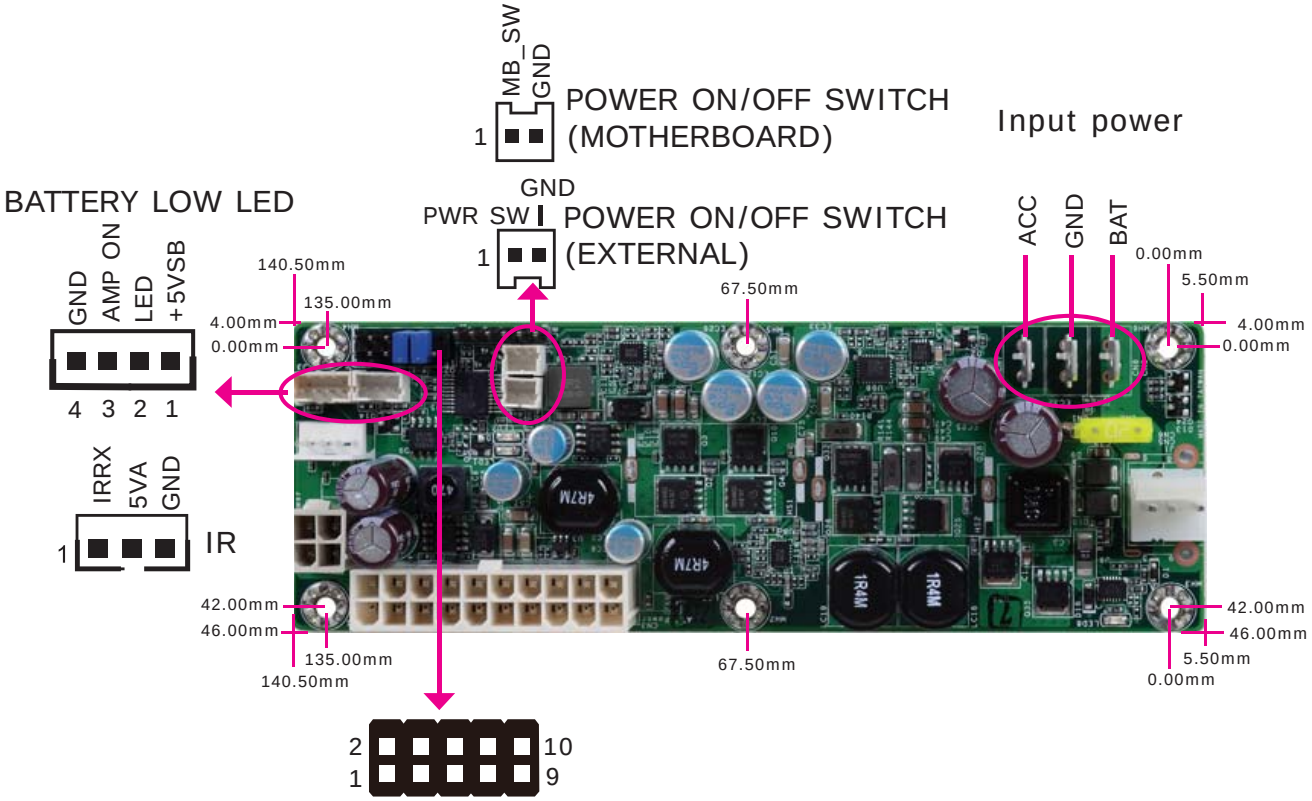
Board Layout and Pin Functions



Operation mode select (J6)

	PIN / MODE	1-2	3-4	5-6	9-10	DELAY_OFF	HARD_OFF
ACC MODE	1	ON	ON	ON	OFF	10 Sec	10 Sec
	2	OFF	ON	ON	OFF	10 Sec	1 Min
	3	ON	OFF	ON	OFF	15 Sec	30 Min
	4	OFF	OFF	ON	OFF	40 Sec	1Hr
	5	ON	ON	OFF	OFF	15 Sec	NERVER
	6	OFF	ON	OFF	OFF	1 Min	NERVER
	7	ON	OFF	OFF	OFF	30 Min	NERVER
	8	OFF	OFF	OFF	OFF	1Hr	NERVER
ATX	9	---	---	---	ON	ATX mode	

PIN / MODE	7-8	POWER ON CTRL
1	OFF	MANUAL ON
2	ON	AUTO ON

DELAY_OFF : While DC board recieve a power off single, setting a delay time to assert a main power off signal to M/B.

HARD_OFF : As same as DELAY_OFF, only close M/B 5VSB power.