



## 100W MINI-ATX DC-DC SWITCHING CONVERTER

# CED160



### FEATURES:

- 12VDC INPUT
- OPEN FRAME & COMPACT SIZE
- EMI MEET FCC, CISPR 22 CLASS B
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** 12V  
**Input Connector:** CN1: Molex 3.96 4P male.  
**Input Frequency:** DC  
**Input Power:** 120W  
**EMI:** FCC part 15 Class B, CISPR 22 Class B

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 100W max. @ convection cooling  
**Output Connector & Cord:**  
CN2-ATX 4.2 20P female header.  
CN3/CN4: 2.0 2P header (+5V).  
CN5: 2.54 4P header (+5V and +12V)  
**Line Regulation:**  $\pm 1.0\%$  typical.  
**Load Regulation:**  $\pm 5.0\%$  typical.  
**Noise & Ripple:** 2% for 5VSB/-12V; 1% for others.  
**OVP:** 110% for 3.3V/ 5V.  
**OLP:** Fully protected against output overload and short circuit (3.3V & 5V). Consult the factory for OLP setting.

#### GENERAL SPECIFICATION

**Efficiency:** >80% @ full load.  
**Safety Standard:** CE compliance

**Cooling:** Convection cooling is adequate. Moving air is recommended for operating in a confined area.  
**Construction:** PCB open frame format.

Note:  
1. Due to requests in market and advances in technology, specifications subject to change without notification.

### OUTPUT VOLTAGE / CURRENT RATINGS CHART

#### QUAD OUTPUT (Model No. for example)

MODEL NO.	OUTPUT VOLTAGE				5VSB	POWER OK	PS-ON
	+3.3V	+5V	+12V	-12V			
CED160	5A	5A	4A	0.2A	2A	100-500mS	TTL Low

**MECHANICAL DIMENSIONS:** 160x45x22MM

**WEIGHT:** 150g

For the details of safety approval, please consult the factory.