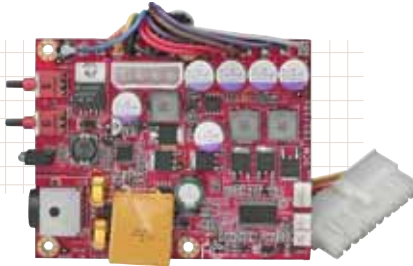


## TBM-DCX100

Tiny-Bus 100 Watt DC/DC ATX Power Converter  
Based on Embedded Tiny-Bus Form Factor  
12 to 30VDC Input and ATX Power Output



### Key Features

The TBM-DCX100 is an industrial DC-to-DC power converter based on the Tiny-Bus® type form factor, offering 100 watt ATX power output with external power input, LED and button for the small form factor (SFF) x86-based applications with Tiny-Bus® expansion solution.

- 100 watt of power capacity with ATX power output.
- 4A MAX at +12V of power output for Intel mobile Core 2 Duo, Core, Pentium M, AMD Geode NX and VIA C7-Eden platform.

### Specification

100 watt DC to DC power converter based on Tiny-Bus® Modular Expansion Solution with 3.3V, 5V, 12V, -12V, 5Vsb ATX power output.

#### Power Input

Full range 12 to 30VDC power input with 8A MAX  
Onboard Polymeric PTC (PPTC) fuse protection  
External 4-pin miniDIN DC jack connector with power-in / system-on LED  
External power-on and reset button, internal connector for motherboard.

#### Power Output

+3.3V with 5A MAX  
+5V / 5Vsb with shared 8A MAX  
**+12V with 4A MAX**  
-12V with 0.5A MAX  
Over / under voltage protection : all output  
ESD protection : 3.3V, 5V, +12V, 5Vsb  
Total power capacity : 100 watt  
Internal 20-pin ATX and 4-pin +5V / +12V power connectors

#### Dimension

74.5 x 91.5 x 15 mm (W x L x H) Tiny-Bus® type form factor

#### Ordering Code

|                       |   |
|-----------------------|---|
| <b>TBM-DCX100E</b>    | Tiny-Bus® 100W DC/DC ATX Power Converter with External 4-pin DC Power Jack  |
| <b>TBM-DCX100-OEM</b> | Tiny-Bus® 100W DC/DC ATX Power Converter with Customized DC Power Connector |

### Mechanical Drawing

