PCIe 104 Power Supply

Rugged design * High efficiency * Easy integration * Industrial, Air or Ground vehicle applications

The Ectron PCIe 104 Power Supply board delivers efficiency as high as 90% at 75 Watt, lowering input power requirements as well as heat generation. Extended temperature operation of –40°C to +105°C is tested and guaranteed. Low-profile, surface mount components reduce susceptibility to shock and vibration. The module is engineered for rugged applications in Industrial, Defense, Automotive including on-vehicle, markets

Features :

- 75 Watts PCIe 104 Power Supply
- 18V to 36V DC Input Range
- Cost-effective, highly flexible power solution
- Multiple output options:
  - +12V DC, 48 Watts
  - +5V DC, 20 Watts
  - +3.3V DC, 8 Watts
- MIL-STD-810G Compliant
- Effective noise suppression for DC switching
- EMI suppression filter supporting large current, wide frequency
- Operating Ambient Range: –40°C to +105°C
- Meets EN55011 Class B Radiated EMI Standards
- Shock and Vibration Tested to MIL-STD-883D

Featuring a rugged mechanical design, this small form factor (3.550'' x 3.775'') card is designed to be used as the bottom module in a PCIe 104, or PCI/104-Express embedded system stack, operate without any active cooling over extended temperature ranges (-50°C to +105°C), and provide resistance to high levels of shock and vibration (per MIL-STD-810G fixed wing jet, rotary aircraft, and tracked ground vehicle conditions).

The power supply provides 75 watts of combined power output (+3.3V, +5V, +12V) and comes equipped with EMI filtering and transient protection specifically designed for withstanding spikes of up to 125V DC

Applications:

- Industrial, Medical and Test Equipment
- General Purpose Wide VIN Regulation
- Factory and Building Automation
- Smart Grid and Energy
- Automotive and Defense applications
- Test and Measurement equipment
- COTS MIL applications

RoHS

Made in the USA