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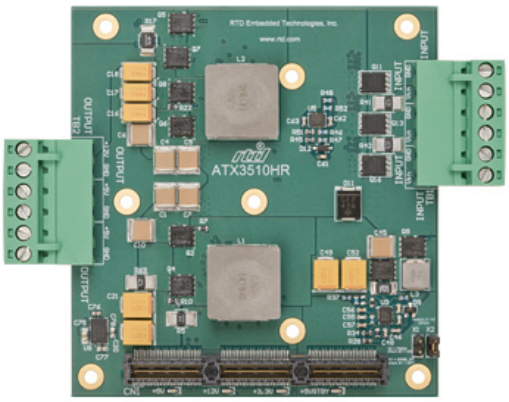
ATX3510HR-190W

PCIe/104 190 Watt Power Supply

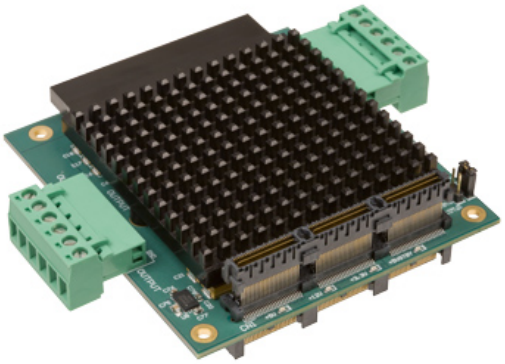
*Operating Temperature **-40°** to **+85°**C*

Key Features

- PC/104 form factor
- PCIe/104 stackable bus structure
  - PCIe universal expansion bus (Type 1 or Type 2)
- PCIe x1 interface
- -40 to +85°C standard operating temperature
- Input Voltage Range: 8-36V
- 194.8 Watts maximum output power
- Outputs
  - +5 Vdc at 16.8 amps
  - +12 Vdc at 8.4 amps
  - +5 Vdc Standby at 2.0 amps
  - +3.3 Vdc at 2.0 amps
- ATX signals
  - +5VSB
  - PS_ON#
  - PWRGOOD
- Efficiency as high as 90%
- Reverse voltage protection to -40V
- Input over-current protection
- Input over voltage protection clamps to 36V
- Output over-current protection
- Remote ON/OFF function
- Synchronized supplies to reduce noise
- Spread spectrum capable
- No Electrolytic caps
- Includes pin fin heat sink
- Available in *stackable, rugged enclosures*



ATX3510HR 190 Watt Embedded Power Supply



(shown with pin fin heat sink installed)



Rugged IDAN configuration available

Description

The ATX3510HR is a 190 Watt embedded power supply with a PCIe/104 stackable bus structure. With 5V standby, 5V main, and 12V, this module is also input protected against over-voltage, over-current, and reverse voltage. This rugged power supply is synchronized to reduce noise and system stress. The small footprint and high power capabilities of the ATX3510HR-190W make it suitable for many technology-rich, high-reliability military, industrial, and research applications.

Physical Attributes

- Dimensions [view diagram]
  - Length (L): 3.775 inches (95.89 mm)
  - Width (W): 3.550 inches (90.17 mm)
  - Stand-off Height
    - Above the module: 0.866 inches (22.00 mm)
    - Below the module: 0.600 inches (15.24 mm)
- Weight: Approximately 0.48 lbs. with heat sink
- Standard Operating Temperature: -40 to +85°C, 90% humidity non-condensing
- Storage Temperature: -55 to +125°C
- MTBF: 3,693,562 hours
- Max Power Dissipation: 21.64 Watts

Recommended Accessories

- AC/DC PS-190 External AC/DC Power Supply

Documentation and Downloads

- Hardware Manual

Ordering Information

Part Number	Description
ATX3510HR-190W	PCIe/104 190 Watt Embedded Power Supply with ATX control

RTD Embedded Technologies, Inc.

Designed and Made in the USA

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