



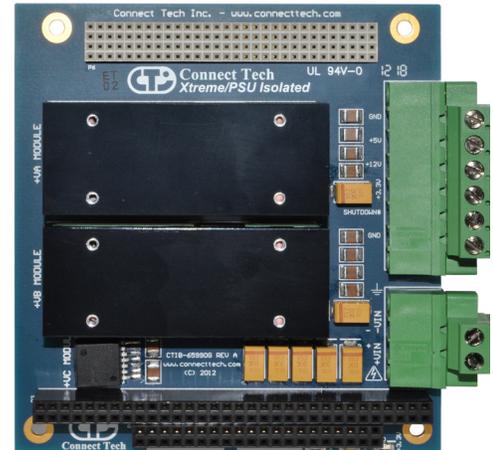
Xtreme/PSU Isolated

Connect Tech's Xtreme/PSU Isolated is a high efficiency, high powered Isolated PC/104 form factor embedded power supply with extended temperature capabilities. Xtreme/PSU Isolated provides isolated power to on-board terminal block connectors and also directly powers all of the PC/104 family expansion buses such as PC/104, PC/104-Plus, PCI-104, PCI/104-Express and PCIe/104.

Xtreme/PSU Isolated has a wide input voltage range that accepts +9V to +36V DC and is specifically designed for use in a broad range of rugged applications including military, industrial, and air and ground vehicles.

Xtreme/PSU Isolated can be used in combination with Connect Tech's stackable CPU and expansion boards for a total design solution.

Product Name: Xtreme/PSU Isolated



Specifications

Input Voltage Range	+9V to +36V DC
Isolation Voltage	2250V Max
Output Voltage Rails	+3.3V, +5V and +12V
Total Output Power	Up to 195W
Dimensions	PC/104 Standard 3.55" (90mm) x 3.775" (96mm)
Bus Expansion Options	PC/104-Plus (PCI & ISA) PC/104 (ISA Only) PCI-104 (PCI Only) PCIe/104 (PCI Express Only) PCI/104-Express (PCI Express & PCI) Embedded (No Bus Connectors)
Input Protection	Reverse polarity, transient voltage and fuse protection
Efficiency	Maximum 92%
Output Ripple/Noise	Less than 100mV p-p
Operating Temperature	-40°C to +85°C (-40°F to 185°F)
Output Protection	Over-temperature and overload protection
Control	Remote ON/OFF functionality
Technical Support	Free technical support

RoHS

Specifications subject to change without notice.
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Power Series Options	LP	SP	HP
Input Voltage Range	+9V to +36V DC	+9V to +36V DC	+18V to +36V DC
Isolation Rating	1.5kV	1.5kV	2.25kV
+3.3V Output Current	20A	5A	5A
+5V Output Current	15A	15A*	15A*
+12V Output Current	-	6A	10A
Total Power	141W	147W	195W

* SP & HP +3.3V rail is derived from the +5V rail

FEATURES

- ✓ Up to 2.25kV of isolation
- ✓ Up to 195W of total output power
 - ✓ +5V @ up to 15A
 - ✓ +3.3V @ up to 20A
 - ✓ +12V @ up to 10A
- ✓ Available with PC/104-Plus, PCI-104, PC/104, PCI/104-Express, PCIe/104 expansion
- ✓ Advanced active input power protection

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