



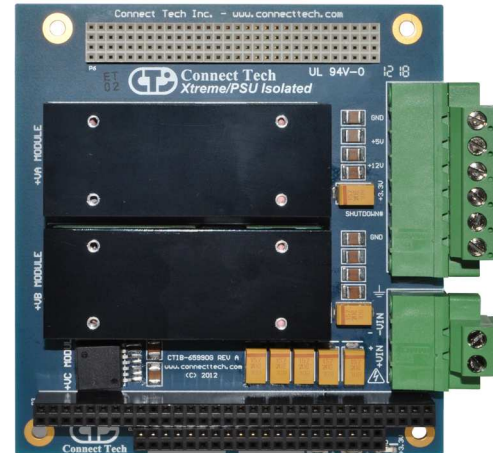
## Xtreme/PSU Isolated

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

<b>Input Voltage Range</b>	+9V to +36V DC
<b>Isolation Voltage</b>	2250V Max
<b>Output Voltage Rails</b>	+3.3V, +5V and +12V
<b>Total Output Power</b>	Up to 195W
<b>Dimensions</b>	PC/104 Standard 3.55" (90mm) x 3.775" (96mm)
<b>Bus Expansion Options</b>	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)
<b>Input Protection</b>	Reverse polarity, transient voltage and fuse protection
<b>Efficiency</b>	Maximum 92%
<b>Output Ripple/Noise</b>	Less than 100mV p-p
<b>Operating Temperature</b>	-40°C to +85°C (-40°F to 185°F)
<b>Output Protection</b>	Over-temperature and overload protection
<b>Control</b>	Remote ON/OFF functionality
<b>Technical Support</b>	Free technical support

**RoHS**

Specifications subject to change without notice.  
©2012, Connect Tech Inc. All trademarks are property of their respective holder.

Power Series Options	LP	SP	HP
<b>Input Voltage Range</b>	+9V to +36V DC	+9V to +36V DC	+18V to +36V DC
<b>Isolation Rating</b>	1.5kV	1.5kV	2.25kV
<b>+3.3V Output Current</b>	20A	5A	5A
<b>+5V Output Current</b>	15A	15A*	15A*
<b>+12V Output Current</b>	-	6A	10A
<b>Total Power</b>	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

**Connect Tech Inc.**  
42 Arrow Road, Guelph ON Canada  
**Tel:** 519.836.1291 **Fax:** 519.836.4878  
**Toll:** 800.426.8979 (North America)  
**Email:** sales@connecttech.com  
**www.connecttech.com**