



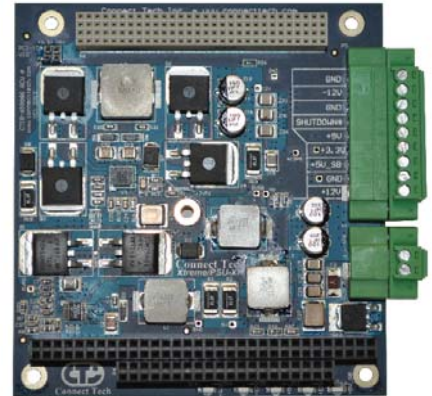
## Xtreme/PSU-XP

Connect Tech's Xtreme/PSU-XP is a high efficiency, high powered PC/104 form factor power supply with extended temperature capabilities. Xtreme/PSU-XP provides power to terminal block connectors and 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-XP is a highly reliable power supply which provides 154W of total output power with +3.3V, +5V, +12V, -12V and +5V-Standby output voltages. It can be used as a stand-alone power supply to power any other embedded system, or used directly to power any PC/104 stack or single board computer (SBC).

The Xtreme/PSU-XP has a wide input voltage range that accepts +6V 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-XP can be used in combination with Connect Tech's stackable CPU and expansion boards for a total design solution.

**Product Name:** Xtreme/PSU-XP  
**Part Number:** PSG007, PSG008, PSG009, PSG010, PSG011, PSG012



## FEATURES

✓ 154 W total output power, +3.3V@10A, +5V@10A, +12V@5A, -12V@0.5A, +5V Standby @ 1A

✓ PC/104-Plus, PCI-104, PC/104, PCI/104-Express, PCIe/104 expansion

✓ Fully meets PC/104 component height requirements

✓ Uses latest generation highest efficiency power controllers, inductors, and MOSFETs

✓ Oversized MOSFETs for improved thermal performance (heat sinking not required)

## Specifications

|                              |   |
|------------------------------|---|
| <b>Dimensions</b>            | PC/104 Standard 3.55" (90mm) x 3.775" (96mm)                                  |
| <b>Bus Expansion Options</b> |   |
| • PSG007:                    | PC/104-Plus (PCI & ISA)   |
| • PSG008:                    | PC/104 (ISA Only)   |
| • PSG009:                    | PCI-104 (PCI Only)  |
| • PSG0010:                   | PCIe/104 (PCI Express Only)   |
| • PSG0011:                   | PCI/104-Express (PCI Express & PCI)   |
| • PSG0012:                   | Embedded (No Bus Connectors)  |
| <b>Input</b>                 |   |
| • Power Requirements:        | +6V to +36V DC  |
| • Protection:                | Reverse polarity protection and transient voltage suppression and series fuse |
| <b>Output</b>                |   |
| • Total Power                | 154W  |
| • +3.3V                      | 10A maximum continuous for full -40 to +85 range                              |
| • +5V                        | 10A maximum continuous for full -40 to +85 range                              |
| • +12V                       | 5A maximum continuous for full -40 to +85 range                               |
| • -12V                       | 0.5A maximum continuous for full -40 to +85 range                             |
| • +5V Standby                | 1A maximum continuous for full -40 to +85 range                               |
| • Regulation                 | Less than 1%  |
| • Protection                 | Overload protection and transient voltage suppression                         |
| • Efficiency                 | Up to 93%   |
| <b>Operating Temperature</b> | -40°C to +85°C (-40°F to 185°F)   |
| <b>Connectors</b>            | 3.5mm pitch standard terminal block header and mating plug                    |
| <b>Warranty and Support</b>  | Lifetime warranty and free technical support                                  |

**RoHS**

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

**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**

CTIX-00092.0.00 - 11.29.12