

# PMU-4-USBETH-00A

[4 port power control board]



## Key Features:

- Device insertion detection circuitry
- Power on/off control
- Power output step-down switching mode frequency: 100-1kHz (variable)
- External I/F: SPI (led control & device insert detection)
- 4x port control
- USB or Ethernet interface for card programming for ease of programming
- Programming example source & guide document
- 400W Power Supply (Optional SNMP)

### Product SKUs

**PMU-4-USBETH**

4 Port Power Control Unit with drive insertion detection circuitry and programmable LED

### Form Factor

FF PCI card size

### Processor (3Port PMU)

PMU: ARM core

### Dimensions

BI-120A (request for other models)

Width  60mm  
 Height  100mm  
 Depth  260mm  
 Packaging  0.5kg  
 Color  Card: Green, Power Supply: Silver

### Tester / Host communication (for issuing commands)

Ethernet (max speed 100Mbps). Or,  
 USB serial

### Software

Basic PMU control test software provided (Linux)  
 Programmer guide provided

### Power Management Unit (PMU)

- 4 port power control unit: individual port power on/off and LED control.
- Circuitry for auto drive insertion detection for writing automated control SW
- Program controlled LED (RED/YELLOW/GREEN) and Power On/Off

Input  15v to 12v

3.3v (out)  4 Amp (per port)

5v (out)  4 Amp (per port)

12v (out)  4 Amp (per port)

### SNMP

Single Output with PFC Function (optional SNMP)

- Universal AC input / full range
- Built-in active PFC function, PF > 0.93
- Protections: short circuit / overload / over voltage / over temperature
- Built-in cooling fan speed control
- Built-in constant current limiting circuit
- Built-in fan speed control
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at PFC:67KHz PWM:134KHz

### Operating temperature

Max: 70C

### Other

Board impedance  85ohm