Features

- ATTEL-400MHz AT91SAM9G20 CPU w/ MMU
- Linux kernel 2.6.29 with filesys
- 64MB SDRAM and 256MB NAND Flash
- 2MB DataFlash for system recovery
- On-board real-time clock
- 2 x 10/100Mbps Ethernet ports
- Up to 4 x RS-232 ports, 921.4kbps max.
- 2 x 2500Vrms isolated RS-485 ports, with auto direction control
- 2 x USB 2.0 Hosts supporting full speed of 12Mbps
- Small form factor (W x H x D): 65 x 130 x 102.5mm

H/W Specifications

- CPU / Memory
  - CPU: ATTEL-400MHz AT91SAM9G20 w/ MMU
  - Memory: 64MB SDRAM, 256MB NAND Flash
- DataFlash: 2MB, for system backup

Network Interface

- No. of Ports: 2
- Type: 10/100Mbps Ethernet, RU45 connector
- Protection: 1.5KV magnetic isolation

Serial Ports

- 2 x RS-485 or RS-232 (Port 1 and Port 2)
- 2 x RS-232 (Port 3 and Port 4)
- Protection: 15KV ESD for RS-232; 2500Vrms isolation and 15KV ESD for RS-485
- Connector: RU45 for RS-232; Terminal Block for RS-485

Serial Port Parameters

- Baud Rate: Up to 150kbps
- Parity: None, Even, Odd, Mark, Space
- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 1.5, 2
- Flow Control: RTS / CTS, XON / XOFF, None
- Isolation: 2500Vrms
- Source Voltage (VDD): 5~50VDC
- Source Driver: UDN2981A (Allegro Microsystems)
- No. of Channels: 8

LED Indicator

- 1 x microSD socket at the bottom side
- Linux-based ARM9 Programmable Automation Controller
- 1 x microSD socket at the bottom side
- 1 x microSD socket at the bottom side
- 1 x USB Client
- 1 x USB Port

Ordering Information

- PAC-4010
  - Linux-based ARM9 Programmable Automation Controller
  - No. of Channels: 8
  - Logical High: 5-24VDC; Logical Low: 0-1.5VDC
  - Input Resistance: 1K ohms/500k
  - Response Time: 20μs
  - Opto-isolation: 2500Vrms

Digital Output

- No. of Channels: 8
- Source Driver: UDN2981A (Allegro MicroSystems)
- Source Voltage (VCC): 5-50VDC
- Output Current: 50mA max.
- Isolation: 2500Vrms

General

- Watchdog Timer: Yes
- Real Time Clock: Yes, with backup battery
- Buzzer: Yes
- Power Input: 5-40VDC
- Power Consumption: 300mA@12VDC
- Dimensions: (W x H x D): 65 x 130 x 102.5mm
- Operating Temperature: 0-70ºC (-15-158°F)
- Regulation: CE Class A, FCC Class A