### H/W Specifications

**CPU / Memory**
- CPU: ATMELO 40MHz AT91SAM9G20 w/ MMU
- Memory: 64MB SDRAM and 2MB NAND Flash
- Dataflash: 2MB, for system backup

**Network Interface**
- No. of Ports: 2
- Type: 10/100Mbps Ethernet, RJ45 connector
- Protection: 1.5KV isolation

**Serial Ports**
- 2 x RS-485 or RS-232 Ports
- 2 x RS-232 Ports
- 2 x LANs

**Power Specifications**
- Power Consumption: 300mA@12VDC
- Power Input: 9~40VDC
- Buzzer: Yes

**General**
- No. of Sockets: 1, at the bottom side
- Speed: Supports low-speed (1.5Mbps) and full-speed (12Mbps)
- Host Ports: 2, USB 2.0 compliant
- Client Port: 1, reserved
- Speed: Supports low-speed (1.5Mbps) and full-speed (12Mbps)

### Features

- ATMELO 40MHz AT91SAM9G20 CPU w/ MMU
- Linux kernel 2.6.29 with file system
- 64MB SDRAM and 2MB 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

### Ordering Information

- PAC-4000
- PAC-4010

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### S/W Specifications

**General**
- OS: Linux, kernel 2.6.29
- Boot Loader: U-Boot 1.1.2

**Package Management & System Administration**
- Supports uinit/mount - umount, umount, Artilla utility and more

**Daemons Started by Default**
- ssh (secured shell) with ssh
- syslog / klogd (system and kernel log)
- telnet server (disable root permission in /etc/securetty)
- ssh (secured shell) with sftp

**Pre-installed Utilities**
- bash, busybox, sysvinit, rs232d, procps (for webmin), psmisc, lighttpd, vsftpd, iptables, Vpp, ssh, wireless tools, u-init/mount / umount, umount, Artilla utility and more

**Pre-installed Daemons**
- amgrd (Artila broadcast search daemon)

**Console Cable**
- Wafer Box to DB9 Female, 50cm

**Serial Cable**
- RJ45 to DB9 Female, 150cm

**Power Adapter**
- PWR-12V-1A (31-62100-000) 110~240VAC to 12VDC 1A Power Adapter