

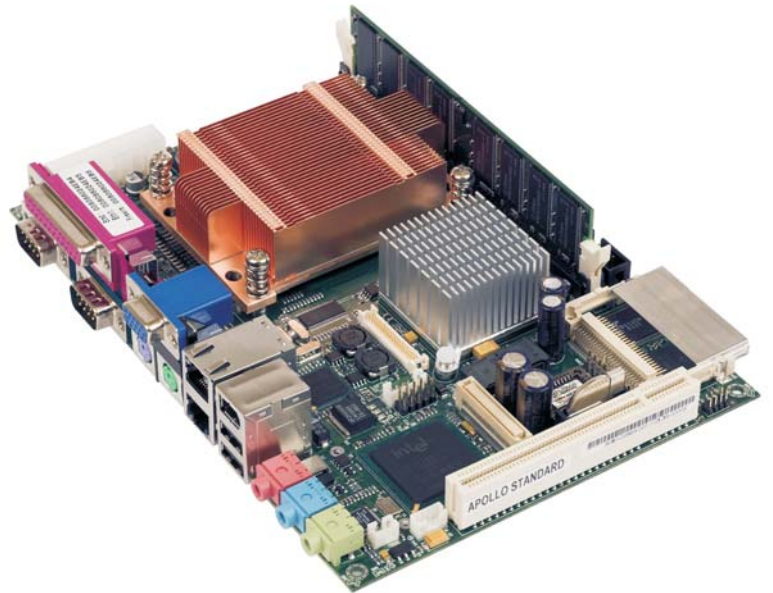
Features

Features:

- Intel® Pentium® M technology
- High performance EBX format embedded PC
- Low power, fanless system
- Atmel Trusted Platform Module Device

Supported Operating Systems:

- Windows® XP Embedded
- Linux



The APOLLO supports Intel Pentium M technology to offer the best combination of high performance computing with low power dissipation. This single board computer can be fitted with Intel Pentium M or Intel Celeron M processors with speed options from 600MHz to 1.8GHz. The combination of Enhanced Intel SpeedStep® Technology and the Intel 855GME/ICH4 chipset provides a very high performance fan-less system ideal for use in a compact space with restricted ventilation. The industry standard 5.25" board provides connectors for many I/O connections.

The APOLLO offers features not available with most single board computers such as an integrated CompactFlash port for accessing storage cards and wireless modules such as Wi-Fi, Bluetooth and cellular modems. These, combined with optional security features such as TPM and tamper detection logic, make the APOLLO ideal for use in human-machine interface panels where security is paramount, such as kiosks, ATMs, casinos and military IT systems.

The APOLLO is supported by rapid application Development Kits for Windows XP Embedded and embedded Linux.

APOLLO

Technical Specifications

PROCESSOR	Intel®Pentium®M and Celeron®M processor options Intel®Pentium®M (1.1 to 1.8GHz) Intel®Celeron®M (600MHz to 1.5GHz)
CHIPSET	North Bridge - Intel 82555GME South Bridge - Intel 82801DB/ICH4 400MHz processor side bus speed
SUPPORTED OS	Windows XP Embedded and Linux
MEMORY	Up to 1GB (PC2700 DDR)
BIOS	Phoenix BIOS offering boot from HDD, FDD, CDROM, CompactFlash, Ethernet or USB device
TPM	Factory build option using Atmel T97SC3201
EXPANSION	Single PCI Rev 2.2 expansion slot (support for up to 2 PCI master cards via a riser card)
GRAPHICS	Video (Integrated Intel Extreme Graphics 2): - VGA CRT interface - 2048 x 1536 @ 75Hz - LVDS interface (single/dual channel) - 1600 x 1200 @ 60Hz - Dual video controller (allows for 2 x independent video displays) - Extra LVDS/CRT/DVI & TV-out also available via additional module
AUDIO	AC97 codec with support for six channel 5.1 surround sound S/PDIF compressed digital output to optical transmitter
USB & FIREWIRE	6 x USB 2.0 and 2 x IEEE1394a-2000 Firewire ports
ETHERNET	Dual 10/100baseTx and 1000baseT Gigabit Ethernet
SERIAL PORTS	2 x RS232, 1 x RS232/IrDA, 1 x RS232/422/485
PC PERIPHERALS	Printer, mouse, keyboard and floppy drive ports
AUXILIARY I/O	Connector for LCD character display, GPIO, LED drivers & SMBus
USER JUMPERS	2 x user-definable jumpers
INTEGRATED SECURITY	Atmel AT 97SC3201 Trusted Computing Platform (TPM) and unique ID and tamper detect input
REAL TIME CLOCK	Accuracy +/- 1 minute/month @ 25°C

DRIVE SUPPORT	CompactFlash (CF+) version 2.0 Type I/II socket for memory and I/O cards IDE ATA hard drive port (Ultra ATA100/66/33, PIO) FDD and USB
HUMIDITY	10% to 90% RH (non-condensing)
POWER SUPPLY	Standard ATX (12.3W - 36W) Single 12V DC power option available
DIMENSIONS	146mm x 203mm
OPERATING TEMPERATURE	Commercial: -20°C to +65°C (depending on processor option selected)

About EUROTECH

EUROTECH delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. EUROTECH platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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