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Find the *Eurotech / Arcom PEGASUS-133-M32-F16* at our website: *Click HERE*

PEGASUS

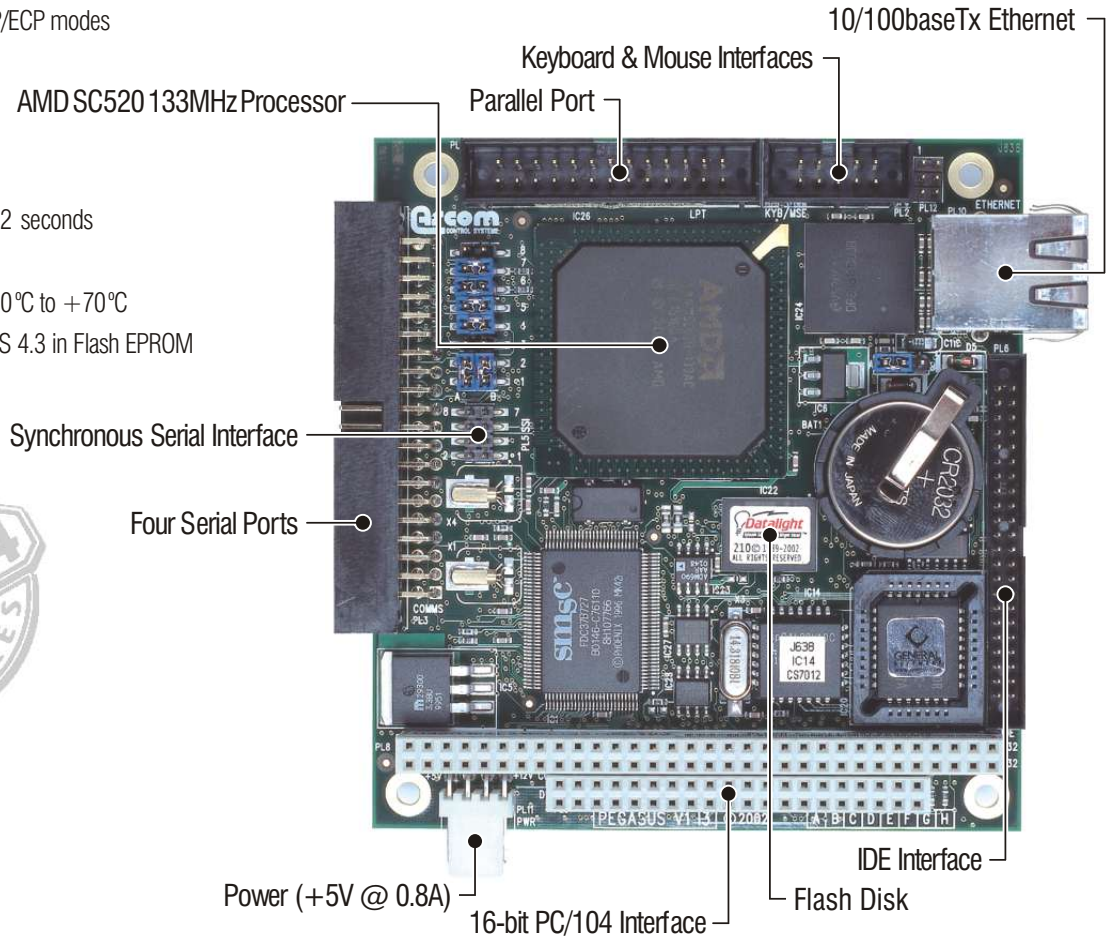
PC/104 133MHz AMD SC520 embedded PC

Features

- AMD Elan SC520 133MHz processor (Am5x86 CPU)
- 16Kbytes unified cache
- Up to 64Mbytes SDRAM
- Up to 16Mbytes Intel® Strata Flash
  - Datalight FlashFX Flash media management
- 128Kbytes SRAM disk battery backed (optional)
- National MacPhyter DP83815 10/100baseTx PCI Ethernet controller
- Four 16C550 compatible high speed UARTs
  - 2 x RS-232, 1 x RS-422/485, 1 x TTL interface
- Supports up to two IDE devices (inc. CD-ROM drive)
- High speed parallel port, SPP/EPP/ECP modes
- Keyboard/mouse port
- Two user links
- SSI interface
- Watchdog
  - programmable from 492µs to 32 seconds
- Industry standard PC/104 format
- Extended temperature operation -20°C to +70°C
- General Software's Embedded BIOS 4.3 in Flash EPROM
  - Onboard BIOS reprogramming
- RoHS-5 compliant

Description

Arcom's 133MHz single board embedded PC computer is targeted at high performance, low power OEM applications. The PEGASUS board is powered by a 133MHz AMD SC520 embedded controller and combines full 10/100baseTx network connectivity with four serial ports and a large resident Flash drive. The PEGASUS board offers true industrial PC/104 format compatibility for space constrained applications. The local Flash memory provides a secure and reliable Flash drive suitable for all the popular embedded operating systems.



Arcom
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PEGASUS

PC/104 133MHz AMD SC520 embedded PC

Specifications

Temperature
- Operating -20℃ to +70℃
- Storage -40℃ to +70℃

Humidity
- 10% to 90% RH (non-condensing)

Real Time Clock accuracy
- +/- 1min/month

Software
- Datalight ROM-DOS operating system
- Datalight FlashFX Flash media management

Power requirements
- +5V +/- 5% 800mA (typical), 1.0A (max)

Battery
- 3.0V Lithium 180mAh (CR2032 Coin Cell)
- Maximum discharge current 2µA

Dimensions
- PC/104 compatible format (8/16-bit modules)
- 90.8mm x 90.4mm (3.575" x 3.550")

Weight
- 96 grams

MTBF (based on MIL-HDBK-217F using generic failure rates)
- 150,000 hours

Ordering Information

PEGASUS-133-M16-F8	Fitted with 16Mbytes DRAM and 8Mbytes Flash
PEGASUS-133-M32-F16	Fitted with 32Mbytes DRAM and 16Mbytes Flash

Standard product includes PC/104 stack-through connector.
Contact Arcom for non-stack-through and SRAM options.

RoHS Compliance

The PEGASUS SBC is available as a RoHS-5 compliant option (refer to website for full details). This is designated by a -R5 suffix on the order code. Please contact our Sales team to discuss your requirements.

Typical Applications

Remote data acquisition

Using the PEGASUS, it is now possible to remotely connect to equipment situated out in-the-field to retrieve critical data which previously may have required an engineer to visit the site. Alternatively, the PEGASUS could be used to automatically dial out and alert service personnel that the site needs attention.

Communications gateway

The PEGASUS can retrieve data and operate as a communications 'hub' to gather and process data in real-time.

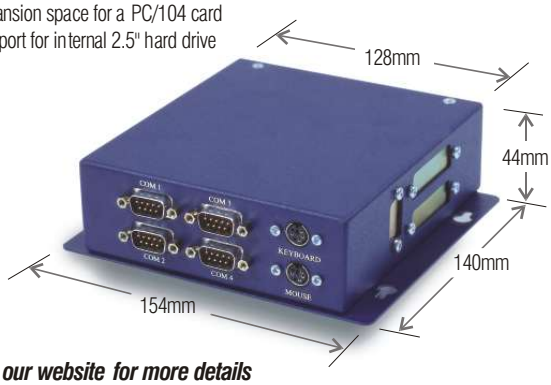
Monitoring real-world events

Operating in harsh or industrial environments, the PEGASUS can be used to control valves or other sensors for automatic control.

Associated Products

PEGASUS ICE Enclosure

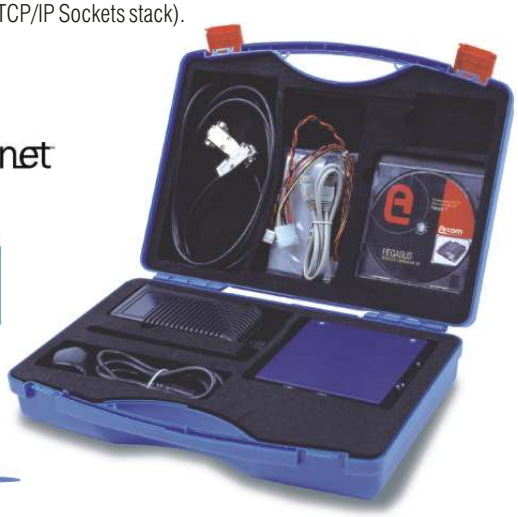
- A fully CE compliant enclosure for the PEGASUS single board computer
- Power input for +5V DC input
- 2 RS-232 Serial ports (D-type 9 way plugs)
- 1 RS-422/485 Serial port (D-type 9 way plug)
- 1 TTL Serial port (D-type 9 way plug)
- 1 Parallel port (D-type 25 way socket)
- RJ45 Ethernet outlet (10/100baseTx)
- Expansion space for a PC/104 card
- Support for internal 2.5" hard drive



Check our website for more details

PEGASUS Development Kits

Arcom offers rapid application Development Kits for the PEGASUS embedded PC, supporting embedded Linux (with Java technology), Windows CE .NET and ROM-DOS (with Datalight TCP/IP Sockets stack).



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