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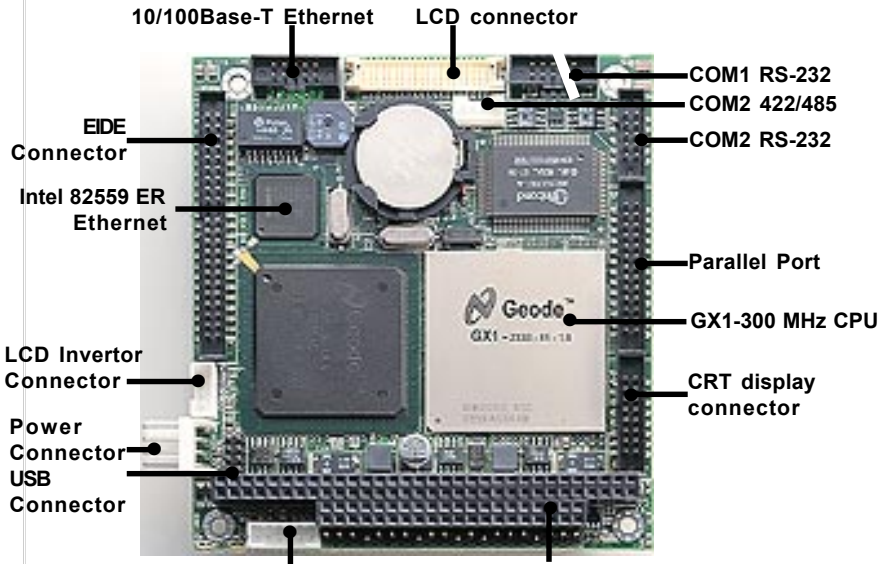
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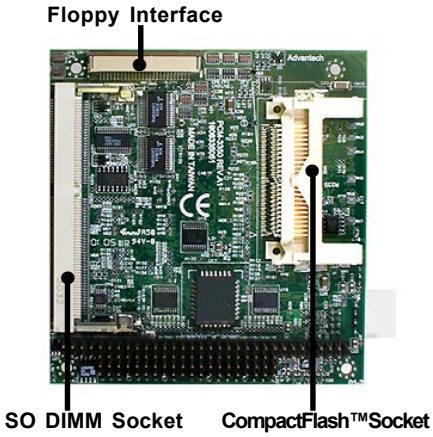
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Find the *Advantech PCM-3350* at our website: ***Click HERE***

PCM-3350

Geode GX1-300 based Module with Ethernet and On-board LCD controller





PCM-3350 Backside View

Introduction

The PCM-3350, with its GX1-300 MHz onboard processor and low power, fanless performance, represents Advantech's next generation of high speed, low power PC/104 family of products. The stable Geode processor, onchip PCI VGA for VGA and TFT LCD support and rock solid Intel® 82559 ER High performance Ethernet chip, provide amazing power and functionality. The ability to stack a full range of PC/104 modules such as sound, PCMCIA, GPS, additional LAN, plus many others, greatly expands the range of applications.

The PCM-3350 has all the power and features indicative of larger CPU control boards, but checks in at the standard PC/104 size of 96 mm x 90 mm. It has 256 KB Flash memory, a 144-pin SODIMM socket which can accept up to 128 MB SDRAM, and support for up to two EIDE devices. It supports up to two FDDs plus one serial RS-232 port and one RS-232/422/485 port. There are two USB 1.0 compliant ports, one parallel port and a mini-DIN connector that supports a standard PS/2 keyboard and mouse. There is a CompactFlash™ socket that can act as an emulated hard drive as well. An 18-bit TFT LCD panel is supported with flat panel display resolution up to 1024 x 768 @ 18 bpp. Non-interlaced CRT monitor resolutions up to 1024 x 768 @ 24 bpp are also supported. Along with APM 1.1 power management, an infrared port and watchdog timer support, the PCM-3350 has all the features that make it a full-featured performer in any computer class.

Specifications

- **CPU:** Embedded Low power NS Geode GX1-300 MHz processor
- **BIOS:** AWARD 256 KB Flash memory
- **System memory**: One 144-pin SODIMM socket accepts up to 128 MB SDRAM
- **Enhanced IDE interface**: Supports up to two EIDE devices. BIOS auto-detect, PIO Mode 3 or Mode 4 transfer, Ultra DMA33 mode (ATA-4) up to 33 MB/sec
- **FDD interface**: Supports up to two FDDs/ 2.5" FDD
- **Serial ports**: One serial RS-232 port, one serial RS-232/422/485 port
- **Parallel port**: One parallel port, supports SPP/EPP/ECP mode
- **Infrared port**: Shared with COM 2. Transfer rate up to 115 kbps
- **Keyboard/mouse connector**: Mini-DIN connector supports standard PS/2 keyboard and mouse
- **Watchdog timer**: 1.6 sec. intervalsl/VGA Interface

VGA function

- **Chipset**: NS CS5530
- **Display memory**: 1 ~ 4 MB share memory, set in BIOS
- **Display type:** Supports CRT and TFT LCDs. Able to display both CRT and flat panel simultaneously
- **Flat-panel display mode**: Panel resolution supports up to 1024 x 768 @ 18 bpp. Supports 18-bit TFT LCD panel
- **CRT display mode**: Non-interlaced CRT monitor resolutions up to 1024 x 768 @ 24 bpp

Ethernet controller function

- **Chipset**: Intel 82559 ER
- **Ethernet interface**: PCI 10/100 Mbps Ethernet. IEEE 802.3 U protocol compatible
- **Connection**: On-board 2 x 5 2.0 mm connector
- **I/O address switchless setting**
- **Built-in boot ROM**

Solid state disk

- Supports CompactFlash™ cards

Mechanical and Environmental

- **Dimensions: (L x W):** 96 mm x 90 mm (3.77" x 3.54")
- **Weight:** .11 kg (.24 lb)
- **Operating temperature:** 0° ~ 60° C (32 ~ 140° F)
- **Storage temperature:** -40° ~ 85° C (-40° ~ 185° F)
- **Operating humidity:** 0% to 95% relative humidity, noncondensing
- **Power supply voltage:** + 5 V ± 5 %
- **Power requirements:** 2.0 A + 5 V, Max w/ GX1-300 MHz CPU & 64 MB

Ordering Information

- ❑ **PCM-3350F-G0A1: PC/104 NS Geode GX1-300 MHz CPU Module**

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