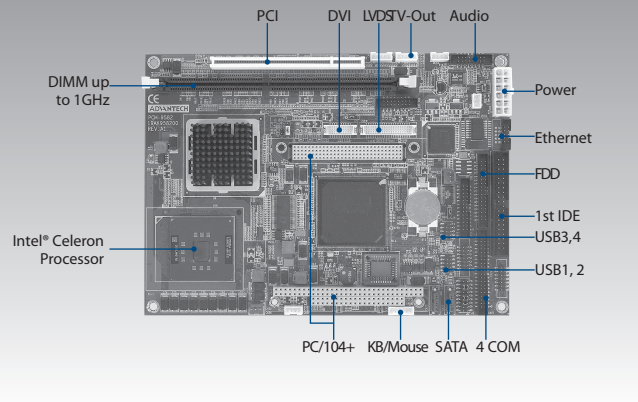


PCM-9587

Onboard Intel® Celeron® M 600MHz
EBX SBC with Audio, VGA/LCD, SATA

NEW



CE FCC

Specifications

General

- CPU Embedded Intel Celeron M
- System Chipset Intel 852GM GMCH/ 6300ESB Chipset
- BIOS AWARD 512 kbit Flash BIOS
- System Memory 184pin DIMM socket, support ECC Double Data Rate (DDR) 128MB to 1GB, accept 128/256/512/1000MB DR200/266 DRAM
- Power Management APM1.2, ACPI support
- SSD Supports CompactFlash® Card TYPE I/II (shared 2nd IDE Channel)
- WatchDog Timer Winbond W83627, 255-level timer interval, setup by software
- Expansion Interface Supports PC/104 (Low Pin Count), PC/104-Plus, Mini PCI interface and 1 x PCI slot
- Battery Lithium 3 V/196 mAH

I/O

- I/O Interface 1 x EIDE (UDMA 100), 2 x SATA 150, 1 x FDD, 1 x K/B, 1 x Mouse, 3 x RS232, 1 x RS232/422/485, 1 x LPT
- USB 4 USB 2.0 compliant Ports
- Audio 6300ESB AC97 3D surround stereo sound
Supports Speaker out, CD-input, Line-in, Line-out, Microphone
- IrDA N/A
- GPIO 8-bit general purpose input/output

Ethernet

- Chipset Intel 82551ER, optional 82551QM
- Speed 10/100 Mbps
- Interface RJ45 by cable
- Standard IEEE 802.3u 100Base-T

Features

- Embedded Intel® Celeron® M 600 MHz
- Supports ECC DDR Memory
- Applied EBX form factor standard and support PC/104-Plus bus
- Supports up to 10/100Base-T Ethernet
- Supports 4 ports Host USB 2.0
- Supports up to 2 channel 48-bit LVDS interface

Display

- Chipset Intel 852GM chip integrated. (Extreme Graphics 2)
- Memory Size Optimized Shared Memory Architecture, supports up to 64 MB frame buffer using system memory
- Resolution CRT Display mode: pixel resolution up to 1600x1200 at 85-Hz and 2048 x 1536 at 75-Hz
LCD Display mode: Dual channel LVDS panels supports up to UXGA panel resolution with frequency range from 25 MHz to 112 MHz
- LCD Interface 2 Channel (2 x 24-bit) LVDS
- LVDS Hirose connector support up to 2 channel (2x24-bit) LVDS LCD Panel
- TV-Out (Cable optional) Supports both NTSC/PAL, S-video and Composite Video
- Dual Independent Display CRT + 48-bit LVDS; DVI/TV-out + 48-bit LVDS; CRT + DVI

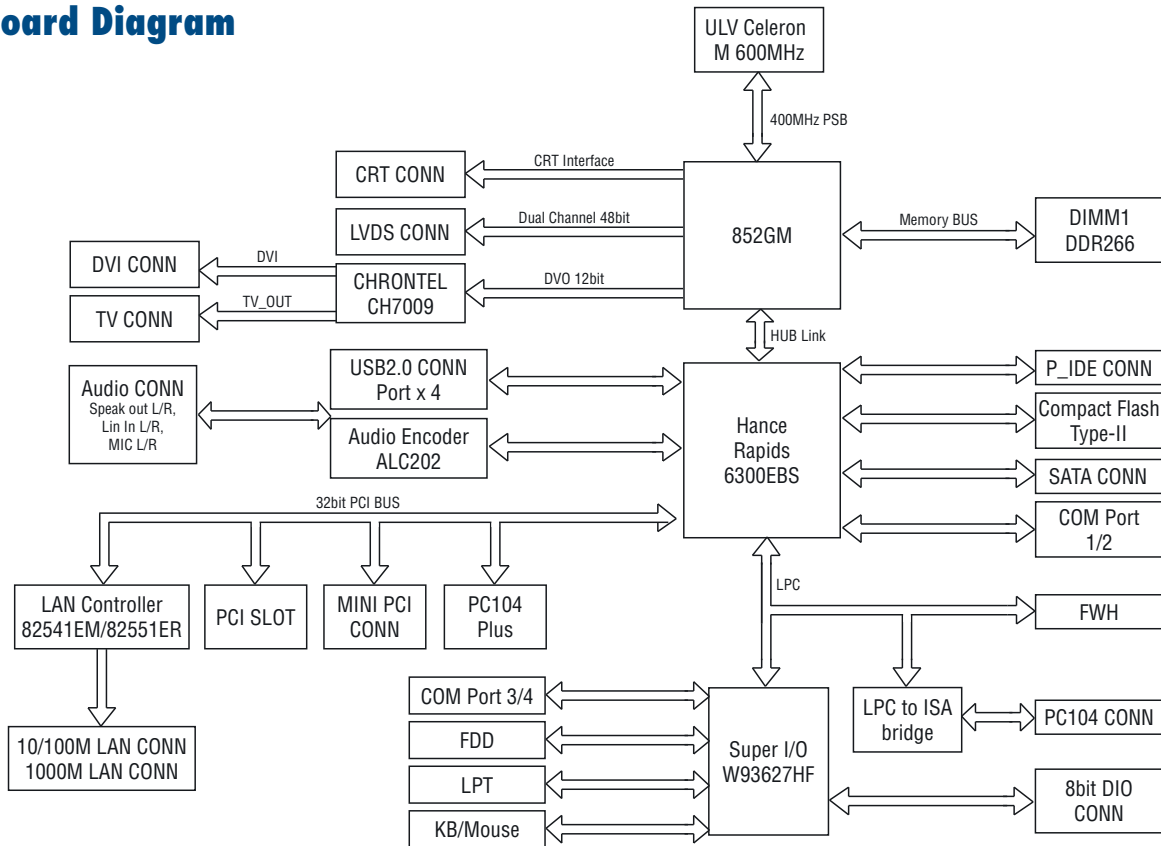
Mechanical and Environmental

- Dimension (LxW) 203 mm x 146 mm (8" x 5.75")
- Weight 0.85 kg (weight of total package)
- Operating Temperature 0 ~ 60° C (32~ 140° F)
- Operating Humidity 0% ~ 90% relative humidity, non-condensing

Power

- Power Supply Voltage +5 V ± 5%, +12 V ± 5%
- Power Consumption (Celeron M 600 with 256 MB DDR266)
Max(HCT): 2.63 A @ 5 V, 0.03 A @ 12 V
Typical: 2.62 A @ 5 V, 0.03 A @ 12 V

Board Diagram



Packing List

- 1 x PCM-9587 SBC
- 1 x Mini Jumper Pack (p/n:9689000002)
- 1 x Startup Manual
- 1 x Utility CD
- 1 x ATX Power Cable (p/n:1700001112)

Ordering information

Standard

- PCM-9587F-M0A1 PCM-9587 On Board Intel® Celeron® M 600MHz EBX SBC w/LAN/Audio/LVDS/SATA

Optional Accessories

- PCM-10586-6200 Wiring kit for PCM-9582/9587
- 1703050306 TV-out cable
- 1703100260 USB cable (26 cm)
- 1703100121 USB cable (12 cm)