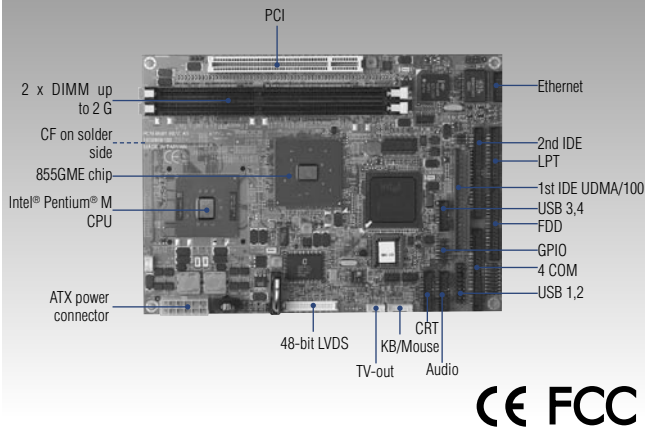


PCM-9581

Onboard Intel® Pentium® M SBC
with Audio, VGA/LCD

NEW



Features

- Embedded Intel® Pentium® 1.1 G, 1.6 G (Optional)/ Celeron M 600M
- Support ECC DDR Memory
- With Vcore 2 phase design for more stable system design
- Supports 1000Base-T Ethernet
- Supports 4 port Host USB 2.0
- Supports up to 36-bit LVDS interface. Optional up to 48-bit LVDS interface

Specifications

- **CPU** Embedded Intel® Pentium® M Processor 1.1 GHz, 1.6 GHz (optional) w/64KB primary cache memory, Socket 478
 - **System Memory** 2 x 184 pin DIMM sockets, support ECC Double Data Rate (DDR)128 MB to 2 GB, accepts 128/256/512/1000 MB DR200/266/333 DRAM
 - **2nd Cache Memory** 1 MB on Pentium M processor
 - **System Chipset** Intel 855GME GMCH/ ICH4 Chipset 400MHz PSB
 - **BIOS** AWARD 256KB Flash BIOS
 - **SSD** Supports CompactFlash Card TYPE I/II (shared 2nd IDE Channel)
 - **WatchDog Timer** 255-level timer interval, from 15 sec to 14835 sec, setup by software, jumperless selection, generates system reset
 - **Expansion Interface** Support a PCI2.2 with 32-bit/33 MHz slot and Mini PCI interface
 - **Battery** Lithium 3 V/196 mAh
- I/O**
- **MIO** 2 x EIDE (UDMA 100), 1x FDD (optional), 1 x K/B, 1x Mouse, 3 x RS232, 1x RS232/422/485, 1 x LPT
 - **IrDA** 115 Kbps, IrDA 1.1 Compliant
 - **Audio** ICH4 chip. AC97 3D surround stereo sound Supports Speaker out, CD-input, Line -in, Line-out, Microphone
 - **USB** 4 USB2.0 compliant Ports
 - **GPIO** 8-bit general purpose input/ output
- Ethernet**
- **Chipset** Intel 82551ER, optional 82551QM, 82540EM (Gigabit)
 - **Ethernet Interface** IEEE 802.3u 100Base-T and IEEE 802.3z/ab 1000Base-T compatible Built-in boot ROM in Flash BIOS

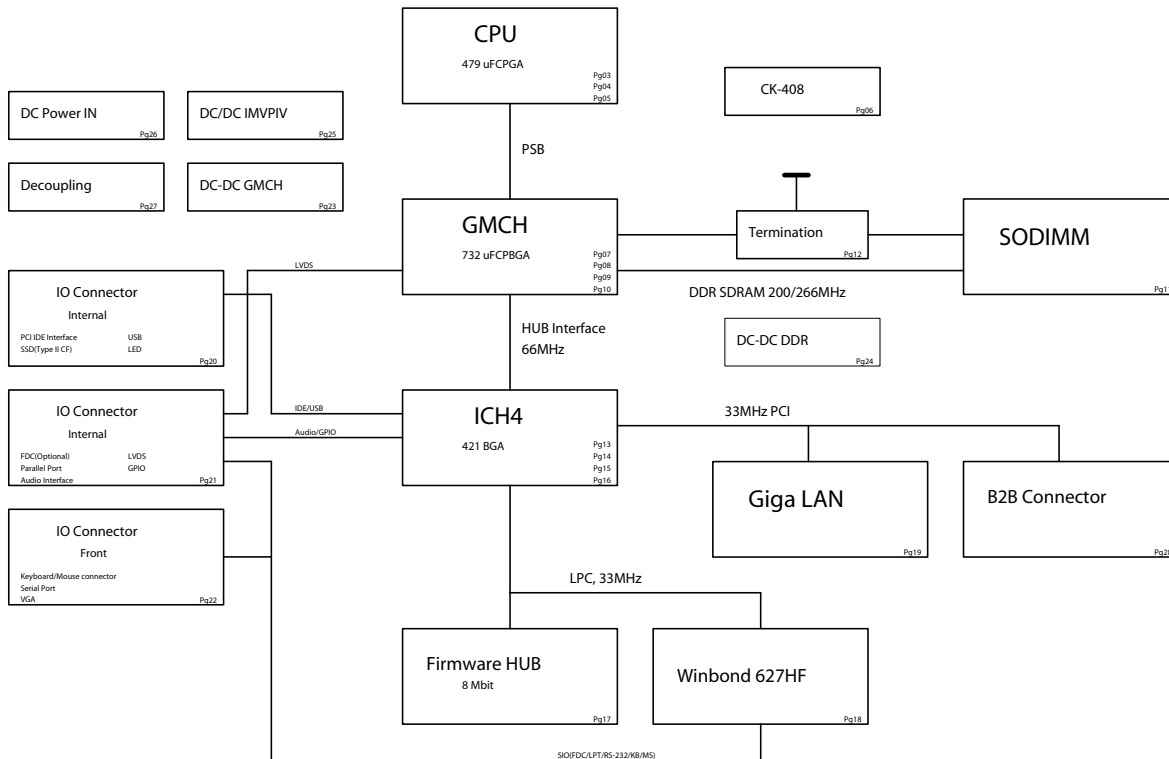
Display

- **Chipset** Intel 855GME, Supports a single 1.5 V Accelerated Graphics Port Interface
- **Memory Size** Optimized Shared Memory Architecture, supports 1MB/8 MB frame buffer using system memory
- **Resolution** CRT Display mode: pixel resolution up to 1600 x 1200 at 85-Hz and 2048 x 1536 at 75-Hz LCD Display mode: Dual channel LVDS panel support up to UXGA panel resolution with frequency range from 25 MHz to 112 MHz
- **LCD Interface** 2 Channel LVDS
- **LVDS** Hirose connector supports 2 channel (36-bit) LVDS LCD Panel, Optional up to 48-bit LVDS LCD display
- **TV-Out (Cable optional)** Supports both NTSC/PAL, S-video and Composite Video

Mechanical and Environmental

- **Dimensions (LxW)** 203 mm x 146 mm (8" x 5.75")
- **Power Supply Voltage** ATX, with Vcore 2 phase, +5 V power only can work
- **Power Requirement** (Pentium M 1.6 G, 256 M DDR 300) Max: +5 V @ 3.8 A, +12 V @ 0.4 A Average: +5 V @ 3.22 A, +12 V 0.2 A
- **Operating Temperature** 0 ~ 60° C (32~ 140° F)
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing
- **Weight** 0.85 kg (weight of total package)

Board Diagram



Packing List

- PCM-9581 SBC
- 1 mini jumper pack p/n:9689000002
- Startup manual
- utility CD
- ATX power cable p/n:1700000265

Ordering information

Standard

- PCM-9581F-S0A1 Pentium® M 1.1 G w/ Audio/VGA/LCD/CFC
- PCM-9581F-00A1 SKt479w/855GME/Audio/VGA/LCD/CFC
- PCM-9581FG-00A1 Same as PCM-9581F-00A1, but with Gigabit Ethernet
- PCM-9581FG-S0A1 Same as PCM-9581FG-00A1, but with Gigabit Ethernet

Accessories

- PCM-10586-6100 Wiring kit for PCM-9581F
- PCM-10586-6A00 Wiring kit for PCM-9581FG
- CF-HDD-ADP CompactFlash 50 pin to IDE 44-pin adapter
- 1703050306 TV-out cable
- 1703100260 USB cable (26cm)
- 1703100121 USB cable (12cm)