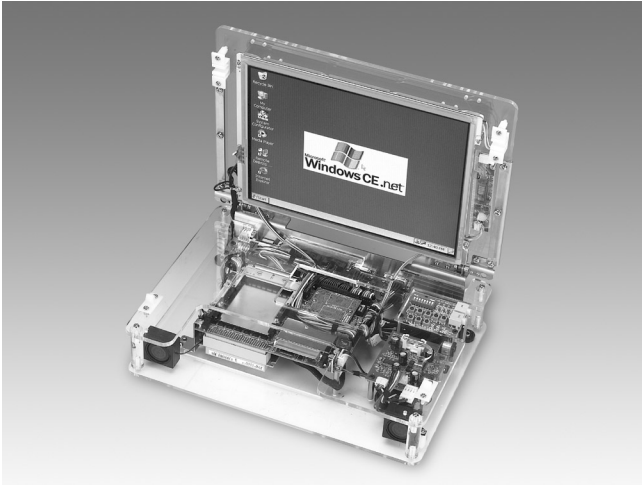


PCM-7230 Evaluation Kit

3.5" OS-ready Intel® XScale®
PXA255 Processor SBC, Windows®
CE .Net/ Linux



Features

- Embedded with PCM-7230S-230CE SBC
- Intel® Xscale PXA255 400 MHz CPU
- 10.4" SVGA LCD display with touchscreen
- Integrated 4-cell pack and charger system
- 8 D I/ & 8DO function bundled with selection utility
- 4-COM AMI-120 module is bundle for function expansion
- Complete SW support with SDK for application development expansion

Introduction

The PCM-7230 Platform Evaluation kit integrates a package that provides customers with an effortless system platform for project evaluation, application development and solution feasibility testing that decreases lead-time and lowers initial expense and investment.

Evaluation kit based on Intel® XScale™ technology makes everything easy, simple, and risk-free

The PCM-7230 evaluation kit integrates certified functional peripherals in a Battery-powered pack using both Windows® CE .NET or Embedded Linux, allowing a functional and risk-free project development and implementation from the very beginning. This evaluation kit includes a power core and Advantech Software Support CD, the Evaluation kit also contains a 2000 mAh (4S1P) Li-Ion battery pack, one 4-COM AMI-120 module and integrated with a DI/DO interface, along with all necessary cables. Bundled parts/components include the fully tested and certified PCM-7230 main board.

Specifications

System Motherboard Kernel

- **Main board** PCM-7230S-230CE/LX
- **CPU** Intel® Xscale PXA255 400 MHz default
- **OS support** Windows CE .NET4.2/Embedded Linux (V2.4.19 kernel)
- **SDRAM** 64 MB SDRAM on board
- **Memory Module** 32 MB NOR Flash Module for OS image storage

Display

- **LCD pannel** 10.4" AU (Unipac UB104S01-1)
- **T/S** 4-wire resistant touch screen
- **Inverter** DC TO AC CCFT For 5V

Power

- **Charge board** Yes
- **Battery pack** 4-Cell Battery pack, 4S1P, 2000 mAh, 3.8 V
- **Input power** AC 100 - 240V 50/60Hz
- **Power switch** Turn on/off the power supply from battery or DC source

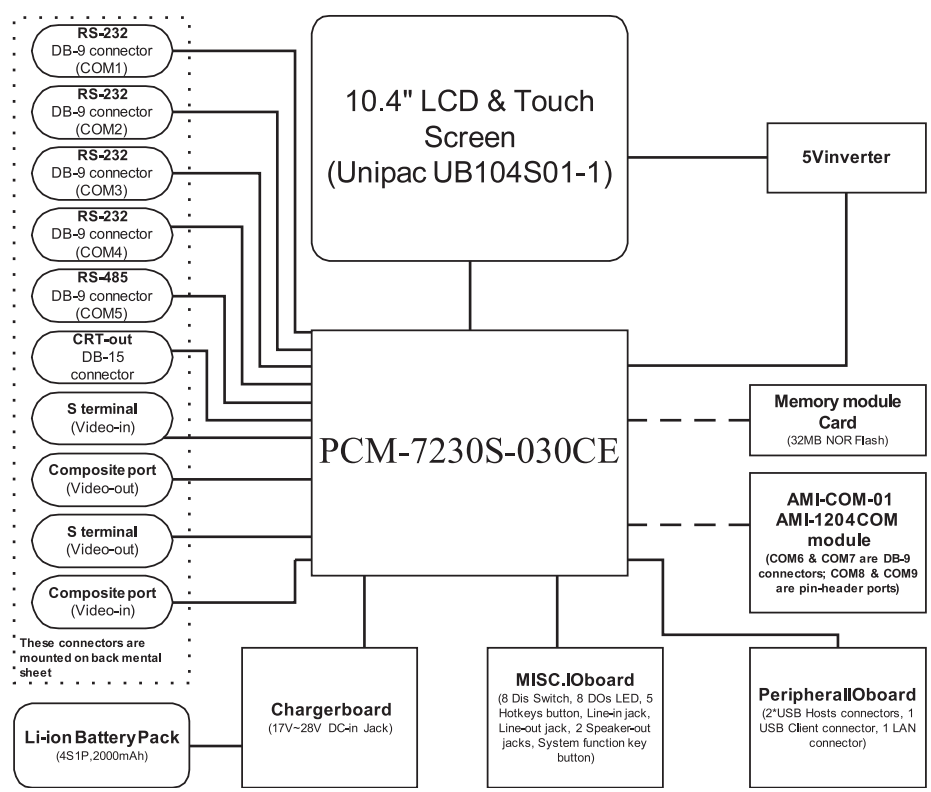
D I/O board w/ Audio jacks

- **Digital I/Os** 8 DI & 8 DO. Pin header output. Provide API to access DI/O.
- **Audio** ACL201. AC97 interface includes line-in, line-out, speaker out and MIC in. Pin header output.
- **AMI-120 solution module** 4-COM Module (AMI-4COM-01) for function expansion

Packing List

- **Advantech Software Support CD** Selected Windows® CE .NET or Embedded Linux models
- **License agreement** Windows® CE .NET end user License agreement (for Windows® CE .NET model only)
- **Stylus** Plastic stylus for touch screen input

Board Diagram



Platform bundle WinCE.NET Software Utility

The System Utility for Windows CE .NET bundled into PCM-7230 SBC, Evaluation kit Platform

Windows CE solution bundle package:

- **System Configurator**
 - General Information: memory status and software version information
 - Touch-screen Calibration
 - Display Control: on/off, brightness and contrast tuning
 - WatchDog: watchDog timer setting
 - DO verification and hot key setting
 - Miscellaneous: setting for registry, Activesync, etc.

Packing List

- **Advantech Software Support CD Windows® CE .NET**
- **License agreement** Windows CE .NET end user License agreement
- **Stylus** Plastic stylus for touch screen input

Ordering Information

- **PCM-7230S-030CE** XScale PXA255 processor, 64MB SDRAM, with CF/PCMCIA slot and Windows® CE .Net solution integrated
- **PCM-7230S-230CE** XScale PXA255 processor, 32MB Flash ROM on Memory Module, 64MB SDRAM with CF/PCMCIA slot and Windows® CE .Net solution integrated
- **PCM-7230-0K0CE** PCM-7230 Evaluation kit system based on PCM-7230S-230CE
- **PCM-7230-CK001** Cables kit for PCM-7230 series
Includes the following items:
 1 x Audio cable
 2 x composite connector cables
 4 x DB-9 RS-232 cables
 1 x DB-9 RS-485/232 cable
 1 x two ports USB host cable & one USB client cable
 1 x DB-15 CRT cable
 1 x RJ45 Ethernet cable
 1 x 3 Push button cables
 1 x power in cable
 1 x Power switch cable
 1 x JTAG cable
 1 x Null modem cable
 1 x USB client ActiveSync cable
 1 x DB-25 cable for DIO & hotkey function

Remarks:

- All Linux OS packages ready for reference by Project request.