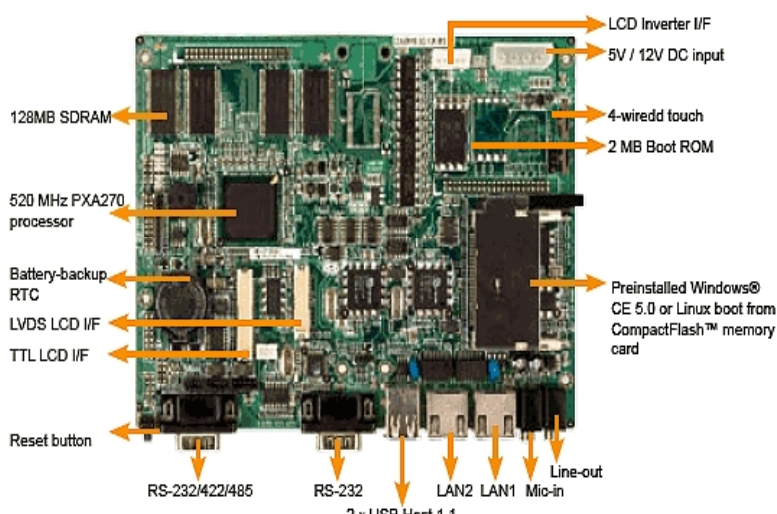


KAMIO-2701A / 2702A

MARVELL® XScale® PXA270
RISC-based Embedded SBC



Features

- Operates in wide temperature range.
- Compact form factor.
- Low power consumption.
- No cooling fan required.
- Built-in LVDS and TTL TFT LCD interfaces and touch controller.
- Standard peripheral device interface connectors include Ethernet ports, Serial ports, USB ports, CompactFlash™ memory, and audio.
- Preinstalled Windows® CE 5.0 or Gnu/Linux with v2.6.18 kernel embedded operating system.
- Windows® CE 5.0 SDK (software development kit) or ARM-LINUX-GCC tool chain for user application software development.

Wide Temperature
-20°C~70°C
KAMIO-2701A / 2702A

Built-in
Linux
KAMIO-2702A



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Specifications

System	•CPU: 520 MHz XScale® PXA270
	•Boot ROM: 2 MB boot flash
	•RAM: 128 MB SDRAM
	•Storage Space: 128 MB CompactFlash™
	•Battery backup RTC
	•Watchdog Timer
	•Reset Button
Display	•JTAG pin-header
	•Dual LCD Interface: 18-bit singal channel LVDS and TTL LCD panel interface
	•Resolution: up to 800 x 600, 16-bit color graphics
I/O and Communication	•Touch screen: 4-wired resistive touch interface
	•Ethernet: 2 x 10/100 Mbps
	•Serial Port: 1 x RS-232, 1 x 4wired RS-232 or 422/485
	•USB Host: 2 x USB Host 1.1
Power	•Audio: 1 x Mic-in, 1 x Line-out
	•Power Supply Input: 5 V and 12 V (for LCD backlight only) DC input
Environmental	•Power Consumption: 12 V @ 0.15A
	•Operating Temperature: -20°C~70°C
	•Humidity: 5%-90% (no-condensing)

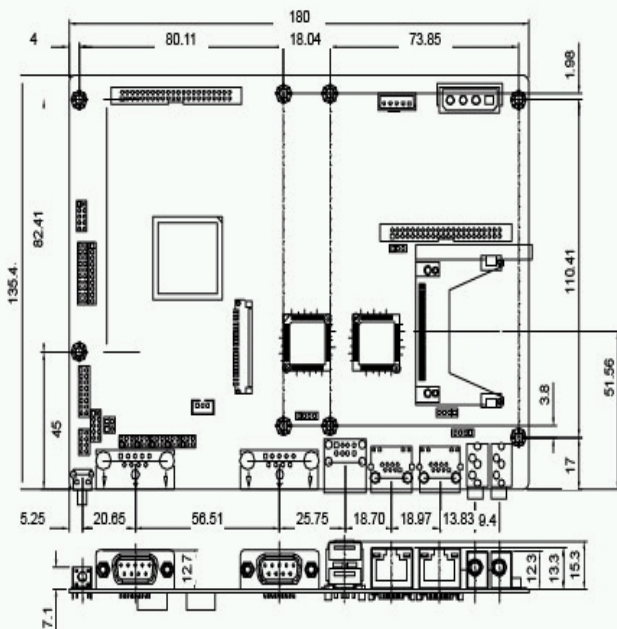
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Evaluation Kits

The KAMIO series also offer two ready-to-run rapid evaluation kits, the IPXA270-DK01/DK02. Both evaluation kits feature all the hardware needed for immediate startup, subsequent development, and evaluation for OEM/ODM services. These evaluation kits provide SDK and Windows® CE 5.0 BSP or Embedded Linux BSP for customers to develop application software and to customize their own embedded OS image. IEI welcomes OEM/ODM of KAMIO solutions and recommends our customers use IPXA270-DK01/DK02 to evaluate our KAMIO solutions.

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Dimensions (unit : mm)



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Packing / Ordering Information

Packing List

KAMIO-2701A KAMIO-2702A	1 x KAMIO-2701A / 2702A SBC board
	1 x Utility CD includes utilities, SDK, and user manual
	1 x 128MB CompactFlash™ card with built-in Windows®
	CE5.0 OS or Linux Kernel 2.6.18 OS

Ordering Information

Part No.	Description
KAMIO-2701A-R10	XScale® PXA270 wild-temperature RISC-based Embedded SBC with 128 MB CompactFlash™ memory card and built-in Windows® CE5.0 OS
KAMIO-2702A-R10	XScale® PXA270 wide-temperature RISC-based Embedded SBC with 128 MB CompactFlash™ memory card and built-in Linux kernel 2.6.18

Options

KAMIO-2701A-BSP	Windows® CE5.0 BSP for KAMIO-2701A
KAMIO-2702A-BSP	Linux Kernel 2.6.18 BSP for KAMIO-2702A

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Taiwan: IEI Technology Corp. USA: IEI Technology SA Corp. China: Armorlink SH Corp.

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