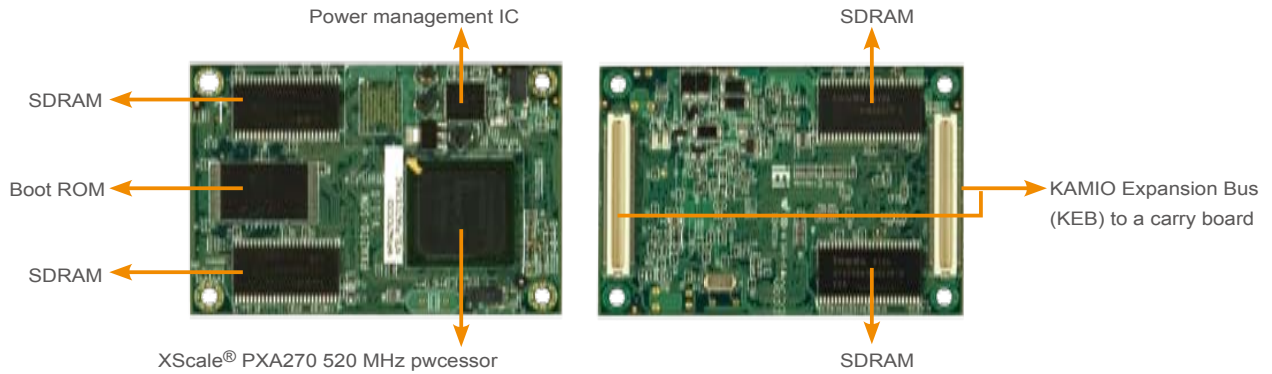


KAMIO-CM01

Small XScale PXA270 RISC-based Computer-on-Module board with I/O extension interfaces to an OEM carry board

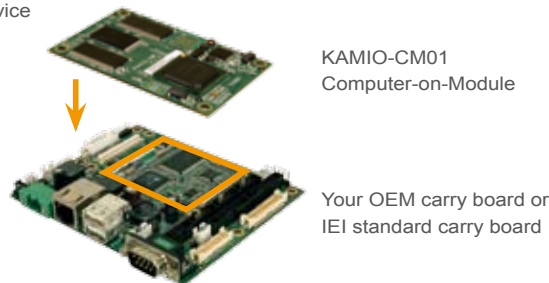


Features

- Full-featured Computer-on-Module
- Dimensions : 54mm x 78.5mm (1.8" H.D.D form factor)
- PXA270 CPU, up to 520 MHz with 32 + 32 KB cache
- Preinstalled Windows® CE 5.0 embedded OS
- Supports three internal memory and boot up options
Default : 2 MB boot ROM for boot loader and 128 MB CF memory card in carry boards for embedded OS and user programs/data
OEM options : 32/64MB Strata NOR Flash (boot loader + OS) or, 2 MB boot ROM for boot loader and 64MB/128MB M-System G3 DOC (Disk-on-chip) for mbedded OS and user data/ programs
- Up to 128MB SDRAM
- Embedded CPLD with control logics for interrupts, PC card, and hardware registers
- Embedded power management IC requires only a single power supply, and all additional voltages are generated and managed on board
- I/O expansion connectors to a carry board with I/O functions and connectors

Applications

- Small form factor Computer-on-Module design to stand on an OEM carry board for adaptation to various applications.
- KAMIO Expansion Bus (KEB) for a carry board to provide diversified I/O functions, such as Ethernet, wireless LAN, Full 2.0B CAN, USB Host/Client, serial ports, audio, LCD display, storage media, digital I/O, analog I/O, and additional expansion devices.
- Several I/EI standard COTS (commercial off-the-shelf) carry boards are provided for fast system integration and application device development
- Embedded Linux is provided only based on project-based OEM service

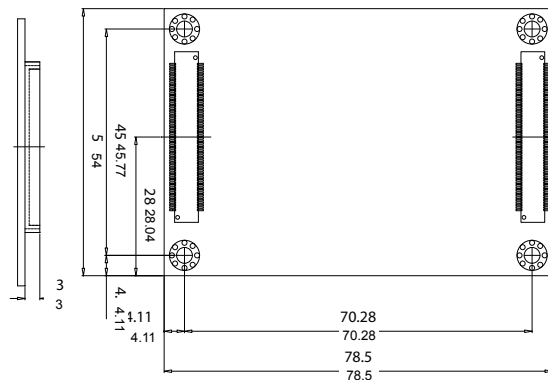


Specifications

- Processor : XScale® PXA270 520 MHz
- 2 MB boot ROM for boot loader to load embedded OS from CF memory card on a carry board
- SDRAM : 128MB
- CPLD : Lattice LC4064V, Control logics for interrupts, PC card, and hardware registers
- Power IC : Philips PCF50606
- Power Requirement : 0.5A@5V Max.
- Operating temperature : 0°C ~ 70°C
- KAMIO Expansion Bus (KEB)
 - 2 x 120-pin female Aces 88078-120 (100V/0.5A, Pitch = 0.5 mm) connector, and totally 240 pins to connect to two male connectors on a carry board
 - Interface summary :

I/F Type	Descriptions	# Pins
Common Basic I/O Interface	I/O Bus/ PCMCIA / USB / LCD / AC97 / UART	160
CPU-dependent I/O Interface	Camera / SD / MMC	40
Power Interface	3.6V ~ 6V DC input and Power Control	32
Reserved	FFU	8
Total:		240

Dimensions (Unit : mm)



Ordering Information

Part No.	Description
KAMIO-CM01-R10	IEI standard XScale® PXA270 Computer-on-Module at 520 MHz

Packing List

KAMIO-CM01	1 x KAMIO-CM01 Computer on Module board 1 x Hardware user manual
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