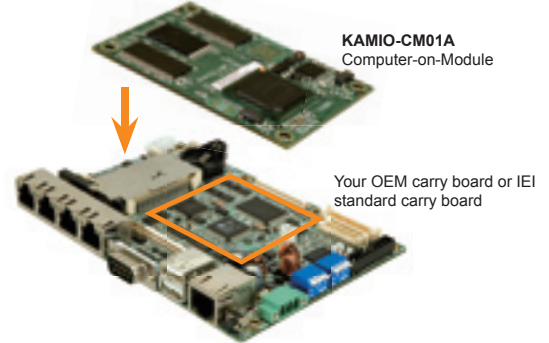
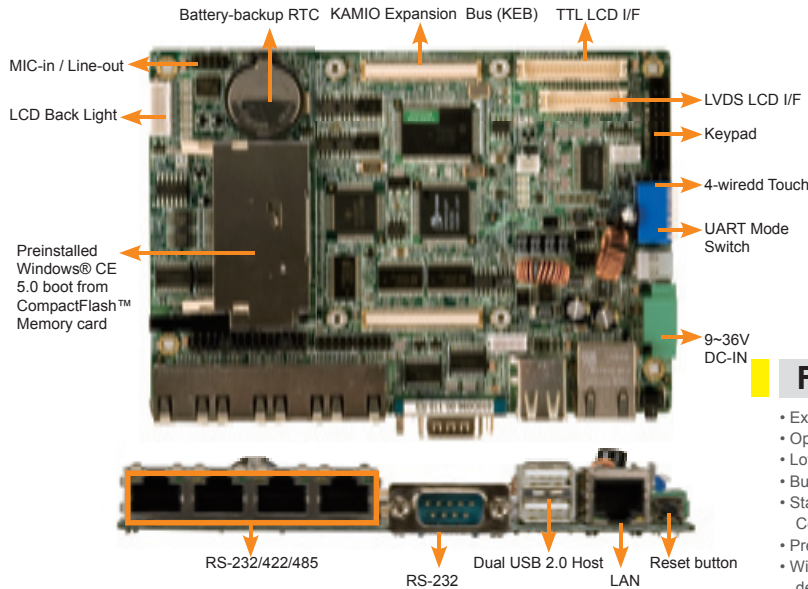


KAMIO-CB02A

Cost-effective COTS (Commercial off-the-shelf) carry board for KAMIO-CM01A Computer-on-Module with additional 4 x RS-232/422/485

Wide Temperature
-20°C~70°C

KAMIO-CB02A



Features

- Extremely durable in harsh environments.
- Operates in a wide-temperature range.
- Low power consumption and No cooling fan required.
- Built-in LVDS and TTL TFT LCD interfaces and touch controller.
- Standard peripheral device interface connectors include Ethernet, Serial, USB ports, CompactFlash™ memory and audio.
- Preinstall Windows® CE 5.0 or GNU/Linux v2.6.18 kernel embedded OS.
- Windows® CE 5.0 SDK or ARM-LINUX-GCC tool chain for user application software development.

Specifications

System

- Battery-backup RTC
- Watchdog Timer
- Reset button
- JTAG pin-header

Display

- Dual LCD Interface: 18-bit single channel LVDS and TTL LCD panel interface
- Resolution: up to 800 x 600 (XScale® PXA270)
- 4-wired resistive touch interface

Communication Bus:

KAMIO Expansion Bus (KEB) : Rev 1.0 support to carry CPU module

I/O Interfaces:

- 1 x 10/100 Mbps Ethernet
- 4 x RS-232/422/485 serial port
- 1 x RS-232 serial port
- 2 x USB Host 2.0
- 1 x Mic-in
- 1 x Line-out
- 8 x 8 matrix keypad interface supports 64 keys

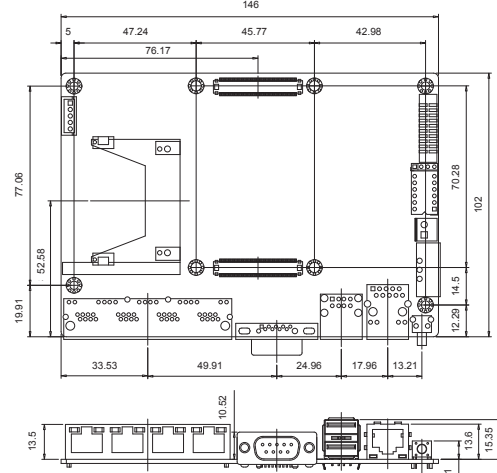
Power

- Power Supply Input: 9~36 V DC-IN,
- Power Consumption: 12 V @ 0.3 A

Environmental

- Operating Temperature: -20°C~70°C
- Humidity: 5%RH to 90%RH (non-condensing)

Dimensions (Unit : mm)



Packing List

KAMIO-CB02A	1 x KAMIO-CB02A carry board 1 x Utility CD includes utilities, SDK, and user manual 1 x 128 MB CompactFlash™ card with built-in Windows® CE5.0 OS
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Ordering Information

Part No.	Description
KAMIO-CB02A-01A-R10	IEI wide-temperature carry board for KAMIO-CM01A Computer-on-Module with 128 MB CF memory card and Windows® CE5.0 license
KAMIO-CB02A-01AUX-R10	IEI wide-temperature carry board for KAMIO-CM01A Computer-on-Module with 128 MB CF memory card and v2.6.18 Linux Kernel

Options

KAMIO-CB02A-01A-BSP	Windows® CE5.0 BSP for KAMIO-CM01A Computer-on-Module and KAMIO-CB02A backplane
KAMIO-CB02A-01AUX-BSP	Linux Kernel 2.6.18 BSP for KAMIO-CM01A Computer-on-Module and KAMIO-CB02A backplane

1
Application Server Platform

2
Single Board Computer

3
IBX Series POS PC

4
AFOLUX POS Panel PC

5
Video Capture Card

6
KAMIO RISC

7
IOVU Open HMI

8
VITO Universal Controller

9
DINO BLADE

10
LCD Product Series

11
Embedded System

12
Industrial Computer Chassis

13
Power Supply

14
Peripherals