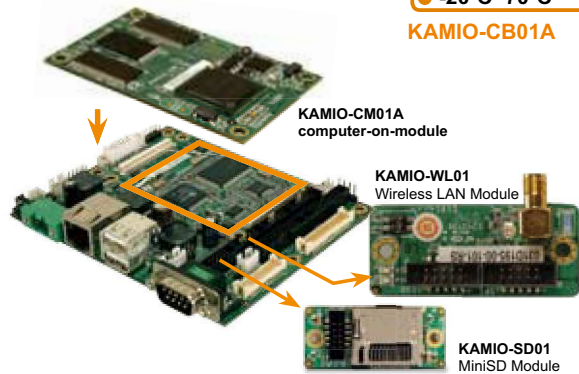
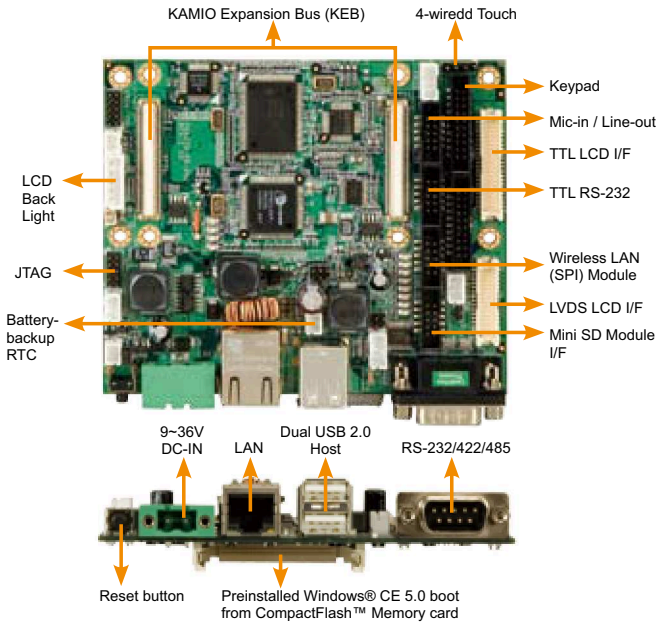


# KAMIO-CB01A

Cost-effective COTS (Commercial off-the-shelf) carry board for KAMIO-CM01A Computer-on-Module

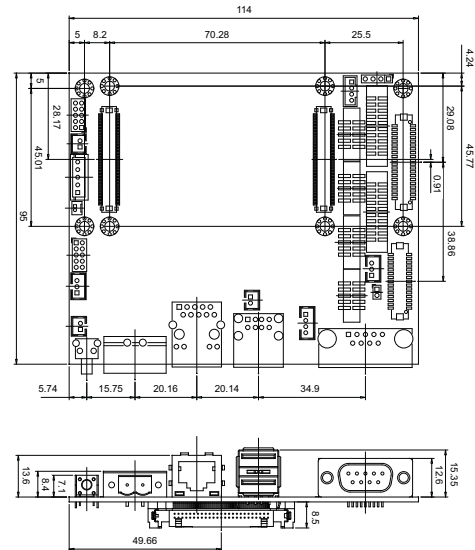
Wide Temperature  
-20°C~70°C  
KAMIO-CB01A



## 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.

## Dimensions (Unit : mm)



## 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
- 1 x RS-232/422/485 serial port
- 1 x TTL 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
- 1 x Wireless LAN module SPI interface
- 1 x Mini-SD module SDIO interface

### Power

- Power Supply Input: 9~36V DC-IN
- Power Consumption: 12 V @ 0.4 A

### Environmental

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

## Packing List

|             |  |
|-------------|--|
| KAMIO-CB01A | 1 x KAMIO-CB01A carry board<br>1 x Utility CD includes utilities, SDK, and user manual<br>1 x 128MB CompactFlash™ card with built-in Windows® CE5.0 OS |
|-------------|--|

## Ordering Information

| Part No.              | Description   |
|-----------------------|---|
| KAMIO-CB01A-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-CB01A-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-CB01A-01A-BSP   | Windows® CE5.0 BSP for KAMIO-CM01A Computer-on-Module and KAMIO-CB01A Backplane      |
| KAMIO-CB01A-01AUX-BSP | Linux Kernel 2.6.18 BSP for KAMIO-CM01A Computer-on-Module and KAMIO-CB01A Backplane |