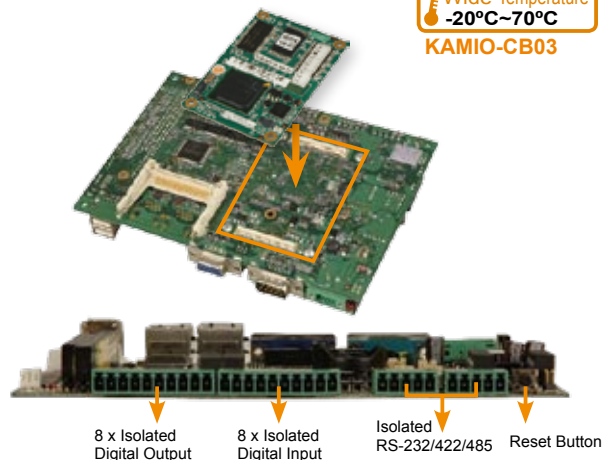
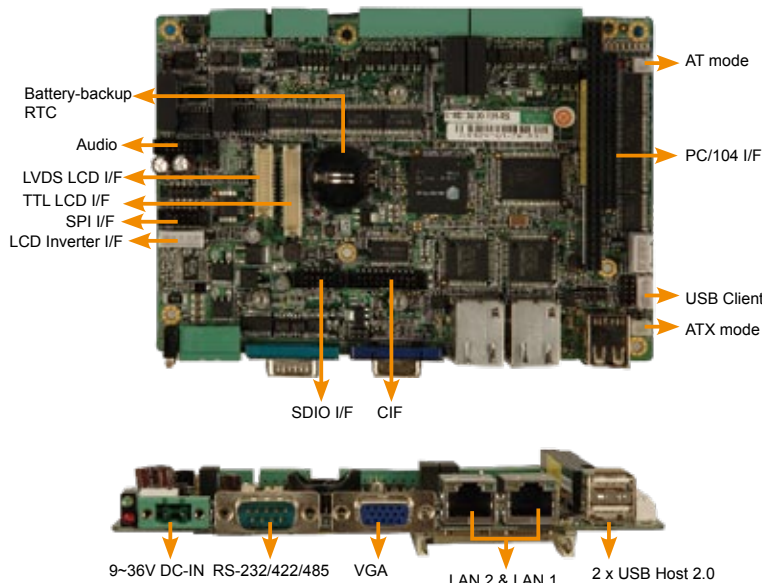


KAMIO-CB03

Cost-effective COTS (Commercial off-the-shelf) carry board for KAMIO-CM01A Computer-on-Module with graphic chip for Dual-Display and high resolution, I/O functions support isolated Digital I/O and RS-232/422/485

Wide Temperature
-20°C~70°C
KAMIO-CB03



Specifications

System

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

Display

- Dual LCD Interface: 18-bit LVDS and TTL LCD panel interface
- Display Controller: SMI SM-502 8 MB graphic memory
- Extension VGA: CRT DSUB-15Pin
- Resolution: Up to 1280 x 1024 and support Dual Display
- Touch screen: 4-wired resistive touch interface

Communication Bus

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

I/O Interfaces

- 2 x 10/100 Mbps Ethernet
- 1 x RS-232/422/485 serial port (full function)
- 2 x RS-232/422/485 serial port (isolated)
- 2 x USB Host 2.0
- 1 x Mic-in
- 1 x Line-out
- 8 channel digital inputs
- 8 channel digital outputs
- 1 x PC/104 interface for PM-3001 / 3002 / 3003 / 3004 / 3801 I/O and communication module
- 2 x reserved TTL UART interface for KAMIO-GPS01, KAMIO-BT01 or IRFR-100 Module (XScale® PXA270)

Power

- Power Supply Input: 9-36V DC-IN
- Power Consumption: 12 V @ 0.65 A

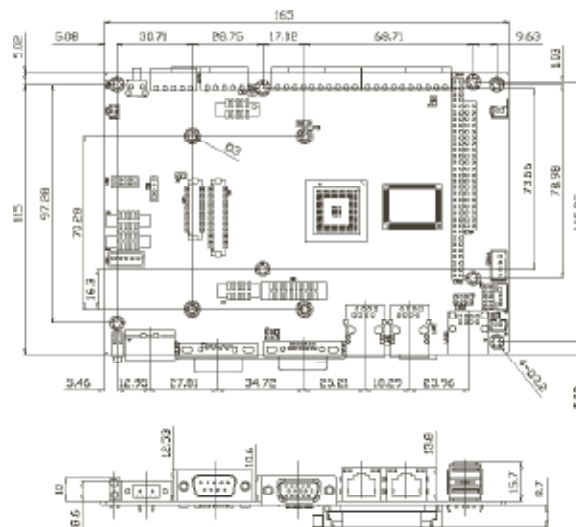
Environmental

- Operating Temperature: -20°C~70°C
- Humidity: 5%-90%RH (no-condensing)

Features

- Extremely durable in harsh environments.
- Operates in a wide-temperature range.
- Low power consumption and No cooling fan required.
- Support digital I/O, isolated serial ports, high resolution and dual display function.
- 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)



Packing List

KAMIO-CB03	1 x KAMIO-CB03 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-CB03-01A-R10	IEI wide-temperature carry board for KAMIO-CM01A Computer-on-Module with 128 MB CF memory card and Windows® CE5.0 license

Options

KAMIO-CB03-01A-BSP	Windows® CE5.0 BSP for KAMIO-CM01A Computer-on-Module and KAMIO-CB03 backplane
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