KAMIO-CB04 / CB05

Cost-effective COTS (Commercial off-the-shelf) carry board for KAMIO-CM series Computer-on-Module support Dual-Display or multimedia function and both support POE (Power over Ethernet) function.

**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 (KAMIO-CB04 only)
- Extension VGA: CRT DSUB-15Pin (KAMIO-CB04 only)
- Resolution: Up to 1280 x 1024 and support dual display (KAMIO-CB04) or 1024 x 768 (KAMIO-CB05)
- Video: Support MPEG 1, MPEG 2, MPEG 4, and WMV9 (KAMIO-CB05)
- 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 (one supports POE function)
  - 1 x RS-232 serial port
  - 1 x RS-232/422/485 serial port
  - 2 x USB Host 2.0
  - 1 x 2 W built-in speaker
- Multimedia Support
  - Power over Ethernet
  - Preinstall Windows® CE 5.0 boot from CompactFlash™ Memory card
  - 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

**Power**
- Power Supply Input: 9 V - 36 V DC-IN and POE (Power Over Ethernet 802.3af)
- Power Consumption: 12 V @ 0.4 A (KAMIO-CB04) or 12 V @ 0.5 A (KAMIO-CB05)

**Environmental**
- Operating Temperature: -20°C~70°C (KAMIO-CB04) or 0°C~70°C (KAMIO-CB05)
- Humidity: 5%-90%RH (no-condensing)

**Dimensions (Unit : mm)**

**Features**
- Extremely durable in harsh environments.
- Operates in a wide-temperature range.
- Low power consumption and No cooling fan required.
- One LAN supports POE (Power over Ethernet) 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

**Ordering Information**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>KAMIO-CB04-01A-R10</td>
<td>IELI wide-temperature carry board for KAMIO-CM01A Computer-on-Module with 128 MB CF memory card and Windows® CE5.0 license</td>
</tr>
<tr>
<td>KAMIO-CB05-51-R10</td>
<td>IELI standard carry board for KAMIO-CM51 Computer-on-Module with 128 MB CF memory card and Windows® CE5.0 license</td>
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**Options**

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<td>KAMIO-POE01-R10</td>
<td>compliant Power over Ethernet (PoE) 802.3af module for KAMIO-CB04 / CB05</td>
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