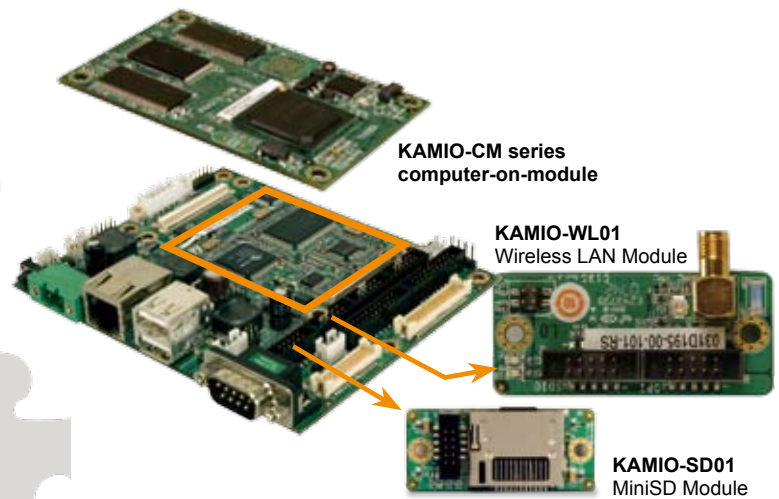
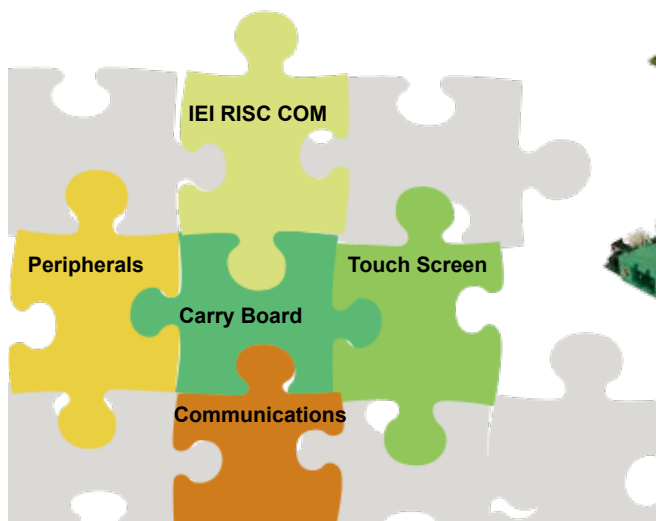


KAMIO Series RISC COM

- With the Computer-On-Module approach, all generic RISC CPU functions are readily available on an IEI off-the-shelf RISC COM, allowing system developers to focus on their core competence and unique functions of their domain applications. This approach greatly enhances productivity and reduces design cost and time to market.
- The KAMIO RISC COM solution introduces the 80/20 rule that 80% of a system development is focused on the generic system core such as CPU resource design and management, power management, memory management, and control logics, while the remaining 20% is for flexible of customization such as communication functionalities and peripheral supports. The 80% generic development is done in IEI off-the-shelf RISC COM and the 20% special customized development is done in a specific carry board.
- The KAMIO KEB (KAMIO Expansion Bus) Interface is an IEI proprietary standard interface that defines the interface connectors between a KAMIO COM and a carry board. All IEI KAMIO RISC COMs and KAMIO carry boards support this interface for flexibility and compliance to use any type of KAMIO COM with any type of KAMIO carry board. The KAMIO KEB Interface defines the interface to attach the system to peripherals and 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, and additional expansion devices.
- Besides providing several off-the-shelf and ready-to-run KAMIO carry boards, IEI also helps customers to design their best-fit carry boards which complement the COM with additional functionalities required for specific applications.



KAMIO Series RISC COM Selection Guide



Model Name	KAMIO-CB01A	KAMIO-CB02A	KAMIO-CB03	KAMIO-CB04	KAMIO-CB05
CPU Board	KAMIO-CM01A	KAMIO-CM01A	KAMIO-CM01A	KAMIO-CM01A	KAMIO-CM51
CPU	520 MHz XScale® PXA270	520 MHz XScale® PXA270	520 MHz XScale® PXA270	520 MHz XScale® PXA270	500 MHz Alchemy™ AU1250
Display	SVGA	SVGA	SXGA	SXGA	XGA
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C	0°C~70°C
USB Ports	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Serial Port	one RS-232/422/485 one TTL RS-232	four RS-232/422/485 one RS-232	one RS-232/422/485 two isolated RS-232/422/485	one RS-232 one RS-232/422/485	one RS-232 one RS-232/422/485
LAN	1 x 10/100 Mbps	1 x 10/100 Mbps	2 x 10/100 Mbps	2 x 10/100 Mbps (one support POE)	2 x 10/100 Mbps (one support POE)
Wireless LAN	KAMIO-WL01	N/A	KAMIO-WL01	KAMIO-WL01	KAMIO-WL01
Mini SD card Reader	KAMIO-SD01	N/A	KAMIO-SD01	KAMIO-SD01	KAMIO-SD01
PC/104 Extension Module	N/A	N/A	PM-3001 / 3002 / 3003 / 3004 / 3801	N/A	N/A
Audio Interface	Mic-in x 1, Line-out x 1	Mic-in x 1, Line-out x 1	Mic-in x 1, Line-out x 1	2W speaker	2W speaker
Touch Screen	4-wired resistive touch interface	4-wired resistive touch interface	4-wired resistive touch interface	4-wired resistive touch interface	4-wired resistive touch interface
VGA Port	N/A	N/A	one VGA port for dual display	one pin header for VGA port to support dual display	N/A
Industrial I/O	N/A	N/A	8 x Digital Input, 8 x Digital Output	N/A	N/A
Multimedia Support	MPEG 1	MPEG 1	MPEG 1	MPEG 1	MPEG 1/2/4, WMV9
Power Supply	9-36V DC-IN	9-36V DC-IN	9-36V DC-IN	9-36V DC-IN	9-36V DC-IN
Power Consumption	12 V @ 0.4 A	12 V @ 0.3 A	12 V @ 0.65 A	12 V @ 0.4 A	12 V @ 0.5 A
Humidity	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH	5%-90%RH
I/O Module Support	N/A	N/A	KAMIO-GPS01, KAMIO-BT01, IRFR-100	KAMIO-GPS01, KAMIO-BT01, IRFR-100	KAMIO-GPS01, KAMIO-BT01, IRFR-100
TTL to VGA module	KAMIO-VGA01	KAMIO-VGA01	KAMIO-VGA01	KAMIO-VGA01	KAMIO-VGA01

- 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