COMPUTER ON MODULES

Computer on Modules (COM) address the need for standardized small form factor computing platforms. COMs are the perfect solution for long-term applications where technology and performance upgrades are a must. COMs are without connectors for USB, LAN, VGA, etc. and must be attached to an I/O board to fulfil an application's I/O requirements. Upgrades are easily managed through an exchange of the existing Computer Module to one based on the latest technology, in effect extending the lifecycle of the application.



	Form Factor	Processor Type & Speed	Memory	VGA	DVI	LAN	PCI Express	PCI	SATA	Other
bCOM2-L1000	COM Express Basic, Type 2	1.06 GHz Intel Celeron M ULV, Intel Core 2 Duo Processor, Intel Celeron M Processor, Intel Core Duo Processor	Up to 2 GB DDR2 SDRAM	1	1	1	×16 = 1, ×4 = 0, ×1 = 5	4 devices	4 RAID	USB, Audio, IDE
bCOM2-L8000	COM Express Basic, Type 2	1.6 GHz Intel Atom [™] N270	Up to 2 GB DDR2 SDRAM	1	1	1	x1 = 3	2	2	USB, Audio, PATA, IDE
CCAR-L1000	АТХ	Carrier for bCOM2-L1000		1	1	1	x1 = 2, x16 = 1, x4 = 0	4	4	CompactFlash®, COM, parallel port, IrDA, DIO, PS/2, USB, IDE, audio

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> THIN CLIENT SYSTEMS

Embedded systems typically operate a single application and Thin Clients allow them to execute centrally located programs at a remote location. These types of systems usually do not require the processing power that our other industrial computer systems offer. Our Thin Client and Embedded Systems can help you reduce your system costs, while providing scalability and flexibility.

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	Display	Touchscreen	CPU	Memory	Ethernet	Slots	Description
PAC-Xscale	5.7" 320x240 256k color* AMTFT LCD	Resistive	Intel Xscale	32 MB SDRAM (up to 96 MB); 32M Flash; 512K NV RAM	One port 10/100 Mbits/sec, 10BaseT / 100BaseTX (auto-detect / auto-switch), Full/Half-duplex, auto-select	One slot	0° to +60° C operating temperature
PAC-Xscale-12	12.1" 800x600 32k color AMTFT LCD	Resistive	Intel Xscale	32 MB SDRAM (up to 96 MB); 32M Flash; 512K NV RAM	One port 10/100 Mbits/sec, 10BaseT / 100BaseTX (auto-detect / auto-switch), Full/Half-duplex, auto-select	One slot	Fieldbus support: AnyBus-S: Ethernet, Series 90-30 I/O, DeviceNet, Profibus, Genius, Modbus Plus

COMPUTER-ON-MODULE (COM)

A computer on modules packages the essential components of a bootable computer onto a module. The COM makes it easier to upgrade to newer, faster processors and memory without replacing the entire system.

The bCOM2-L1000 is a COM Express basic, Type 2 COM Express module featuring a choice of Intel processors, with a wide range of processor options available. With a SODIMM socket, the 2 GB of DDR2 memory can be adjusted, on demand. One Gigabit Ethernet port is routed to the COM Express connector. It also supports transmissions of 10 and 100 Mbit/s. Eight USB 2.0 ports are also routed to the COM Express connector. The bCOM2-L1000 has four serial ATA Interfaces as well as an IDE interface for mass storage devices. The SATA interfaces are ready for SATA II drives and RAID control. The module also features integrated CRT and LVDS interfaces. I/O functionality is expandable with the PCI bus (up to 4 devices), two PCI Express x1 lanes and a wide PCI Express x16 port.