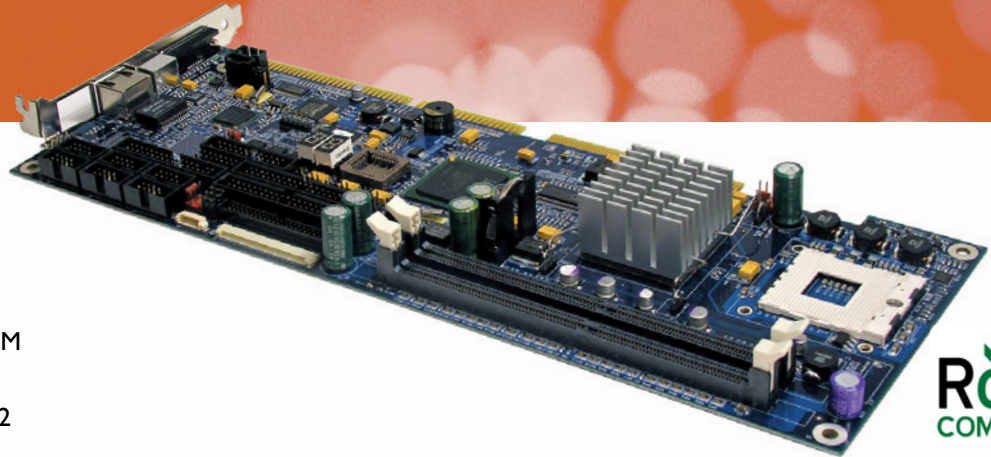


Captor M™

LOW-POWER SBC BASED ON THE INTEL® PENTIUM® M/CELERON® M

PICMG SINGLE BOARD COMPUTER DELIVERS COMPUTING POWER WITH A SMALL FOOT PRINT FOR THE MOST EFFICIENT USE OF RACK SPACE



PRODUCT HIGHLIGHTS

- Low Power/Low Profile
- Intel® Pentium® M and Celeron® M processors
- Built-in Intel® Extreme Graphics 2
- Up to Six (6) RS232 Serial Ports
- Up to 2GB of Dual-Channel DDR
- Seven (7) To Ten (10) Year Guaranteed Production

The Captor M™

single board computer (SBC) is a full-size PICMG compliant CPU card (4.53"x13.3", standard 1.0 rev02), and supports low-power Pentium® M and Celeron® M processors. These processors allow the Captor M to run at a fraction of the wattage of standard processor based SBC's.

APPLICATIONS

- Security and Surveillance
- Industrial PCs
- Telecommunications
- Defense
- Medical
- Networking
- Factory Automation
- Robotics

The Intel® Pentium® M and Celeron® M processors also enable the Captor M to be cooled by a low-profile heat sink and fan. This significantly reduces the amount of horizontal space the SBC takes up in the backplane and allows usage of expansion card slots that would normally be blocked by a larger standard processor fan.

The Captor M features the Intel® 855GME chipset, which offers integrated Intel® Extreme Graphics 2 Technology, optional LVDS with backlight support, AC'97 sound, and a host of standard I/O features. The chipset supports 400MHz front side bus, and allows up to 2GB of DDR 333/266 SDRAM. Network connectivity is available through one (1) or two (2) factory configured Ethernet controllers.

The Captor M features two edge connectors that plug into an industry-



standard PCI-ISA passive backplane. This standard allows multiple systems to run in a single enclosure, ideal for applications such as: networking, telephony, robotics, factory automation and industrial.

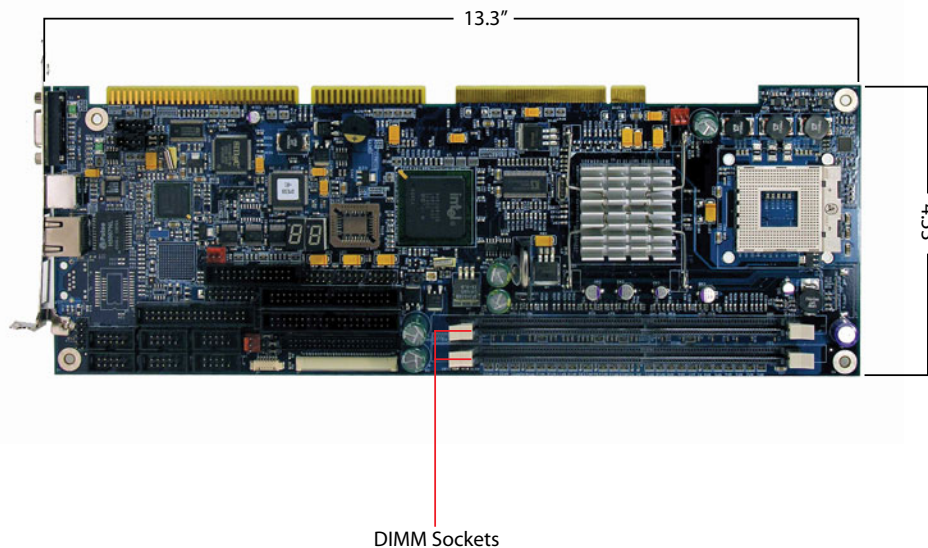
OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment and backed by a seven (7) to ten (10) year production life cycle guarantee.



Captor M™

LOW-POWER SBC BASED ON THE INTEL® PENTIUM® M/CELERON® M



TECHNICAL SPECIFICATIONS

Form Factor	Full-size PICMG 1.0 rev02 compliant form factor	Ethernet	One (1) 10/100 Ethernet, factory upgradable to 1Gb/s. Optional second 10/100 Ethernet or 1 GbE Ethernet also available (Backplate access)
Dimensions	4.53" x 13.3"	Audio	AC'97 compatible sound controller
Microprocessor	Intel® Pentium® M or Celeron® M processor (Socket 479)	Industrial Devices	Hardware monitoring POST display
Chipset	Intel® 855GME + ICH-4 South Bridge	BIOS	AMI®
Front Side Bus	400MHz	Battery	Removable lithium battery for CMOS memory
Memory	Two (2) DIMM sockets support up to 2GB of DDR333/266	Operating Temp	0°C to 55°C
Onboard I/O	Two (2) 40-pin ATA/33 EIDE connectors One (1) 44-pin IDE connector (sharing secondary IDE) Six (6) USB 2.0 ports (USB 1.1 compatible) Two (2) RS232 serial ports. Optional six (6) serial ports, one(1) factory configurable to RS422 One (1) ECP/EPP parallel port One (1) PS/2 mouse/keyboard connector (Backplate access) Floppy controller ISA bridge Power is supplied through the backplane connectors	Non-Operating Op. Humidity	-40°C to 85°C
		Non-Operating	5% to 95% @ 40°C non-condensing 5% to 95% @ 40°C non-condensing
		Part Number	GMESB
Video Graphics	Onboard integrated graphics utilizing Intel® Extreme Graphics 2 Technology (Backplate access) LVDS option		

CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

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