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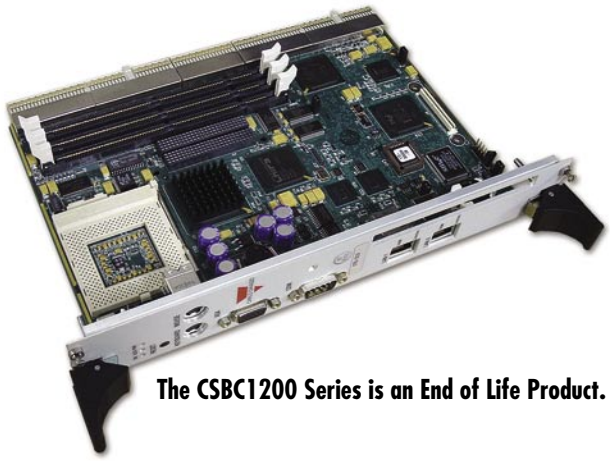
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Find the *S.I.E. Computing / Carlo Gavazzi CSBC1200-P1000* at our website: *Click HERE*

6Ux8HP CompactPCI® SBC

CSBC1200 Series

COMPUTER SYSTEMS



The CSBC1200 Series is an End of Life Product.

- Intel® Celeron® or Pentium® III Processor up to 1 GHz
- Intel 82440BX AGP set
- Up to 768MB SDRAM, ECC Level 2
- Dual PCI 10Base-T/100Base-TX Ethernet Controllers
- USB, Serial, and Parallel Ports
- Ultra DMA/33 IDE, Ultra2 Wide SCSI, CompactFlash™, and MicroDrive
- Front and Rear I/O, Full Hot Swap Support

Computer Systems' Pentium® III/Celeron™ powered CSBC1200 series CompactPCI CPU is a 6U x 8HP Single Board Computer that provides exceptional price/ performance scalability in a reliable, available, and serviceable format.

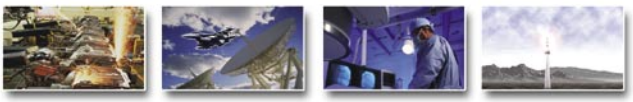
The CSBC1200 provides your choice of either the Intel Pentium III or the Intel Celeron FC-PGA processor with 256KB or 128KB full-core-speed on-die L2 cache, respectively, supported by the Intel 440BX AGP set. The system CPU card, with three memory sockets providing up to 768MB of 100MHz PC SDRAM (with ECC support), has numerous on-board functions, including an AGP video controller (Intel® 69030), USB, serial and parallel ports, and floppy interfaces. The PCI Ultra DMA/33 IDE (33MB/sec) and Ultra2 Wide SCSI (80MB/sec) connectors, as well as dual 10/100Mb Ethernet controllers, are on the PCI Bus at Level 0. The board supports up to seven bus master CompactPCI slots. I/O is available through the front panel or an optional rear 80mm transition module. An optional mezzanine card provides a second PCI bridge (enabling support for up to 14 available CompactPCI slots) and a floppy and/or hard drive, making the CSBC1200 a complete computer-on-a-board.

The Phoenix Technologies AwardBIOS, in boot block flash, supports software enable/disable of SCSI, video override, serial/parallel port remapping/disable, PCI Bus Scan and ACPI 1.0/APM 1.2. Multi-level PCI-to-PCI bridging and full Hot Swap compliance are supported. The SBC provides a software programmable two-stage watchdog timer with a battery-backed real-time clock. Backplane voltages, CPU temperature, and fan speeds can be monitored locally via the on-board CMOS setup utility. A two year limited warranty is standard.

Scalable performance. Computer Systems' CSBC1200 CompactPCI SBC is designed to meet the needs of embedded and applied computing OEMs and System Integrators addressing worldwide datacom/telecom, CTI, industrial automation, military/aerospace, and medical markets.

innovative engineering, dependable products

The Carlo Gavazzi Group Companies design and manufacture standard or custom PCI/ISA, Switched Fabric, AdvancedTCA™, and CompactPCI® SBCs, I/O boards, chassis, and integrated systems that address your outsourcing and time-to-market needs.



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CG Mupac *Electronic Packaging*

Aurora Technologies *I/O and Fabric Connectivity*

Computer Systems *SBCs and Computing Platforms*

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6Ux8HP CompactPCI® SBC

CSBC1200 Series

SPECFICATIONS

CPU/Cache
- Intel Pentium III: 600, 700, 850MHz and 1GHz in FC-PGA package; 256KB on-die L2 cache @ full core speed & 100MHz PSB
- Intel Celeron: 566, 733, and 850MHz in FC-PGA package; 128KB on-die L2 cache @ full core speed & 66MHz PSB

Bus Interface
- CompactPCI Bus, 32-bit (33MHz) operates in 3.3V or 5V systems
- PCI-to-PCI transparent bridge: Intel 21150 w/support for 7 REQ/GNT
- Proprietary mezzanine with PCI and FD/HD support
- SMBus

Memory
- Three banks of three 168-pin gold latching DIMM sockets
- Up to 768MB 72-bit PC100 DIMMs, ECC Level 2
- +3.3V unbuffered SDRAM
- CompactFlash or MicroDrive interface

Data Path
- 64-bit on CPU/memory bus @ 66/100MHz
- 32-bit on PCI bus @ 33MHz

BIOS
- Phoenix Technologies AwardBIOS in boot-block flash with recovery mode
- Auto configuration/extended setup, diskless, keyboardless, and videoless operation extensions
- ACPI 1.0, APM 1.2, and advanced thermal/voltage management (w/ auto slow-down) via SMBus

I/O
- Basic: Two USB, two serial ports, one parallel (IEEE 1284) port, floppy interface
- Video: 64-bit AGP w/ 4MB SDRAM (Intel 69030) w/ resolutions up to 1280 x 1024 in 64K colors
- Ethernet: Two (2) 10Base-T/100Base-TX (Intel 82559)
- Peripherals: Two-channel Ultra DMA/33 EIDE (33MB/sec), Ultra2 Wide SCSI (LSI 53C895A) LVD or SE termination (80MB/sec)
- CM-CBXBR01 (optional): PCI mezzanine card w/PCI Bridge, ultra-slim floppy disk and/or 2.5" EIDE hard disk
- CTM80-CBX02: 80mm rear I/O transition modulewith appropriate CGI enclosure (GR-63-CORE, GR-1089-CORE, GR-1089-ILR, and TR-NWT-000078).

Supervisory
- Compliant with PICMG 2.1 rev. 1.0 CompactPCI Full Hot Swap Specification
- Software-programmable two-stage watchdog timer with battery-backed real-time clock
- Front-panel LEDs: power OK (green), 10/100Mb (green), activity (amber)

OS Compatibility
- MS-DOS 6.2, Windows 95/98, Windows NT 4.0 and Windows 2000, Sun Solaris X86 2.s, and VxWorks 5.4.
- SCSI: also Novell NetWare, SCO Openserver/ UnixWare.

Mechanical
- 6U, 8HP wide (233mm x 160mm x 61mm), incl. optional mezzanine-mounted ultra-slim floppy and 2.5" EIDE drives.
- Conforms to PICMG CompactPCI 2.0 Rev. 2.1 specs.

Backplane
- J1/J2: CompactPCI (32-bit @ 33MHz)
- J3/J5: Rear-accessible I/O
- J4: Not used

Immunity
- USB, keyboard, mouse, and SCSI voltage protected by self-resetting fuse
- Two-year limited warranty

Power Requirements
- Input power: 35W
- +5V 3.5A (max)
- +12V 0.1A
- -12V 0.1A
- +3.3V 2.15A

Reliability
- MTBF: >100,000 hours @ 55°C (MILHDBK_ 217F)
- UL/cUL Recognized to 1950, CSA C22.2 No. 950, EN50081-1, EN60950
- FCC 47 CFR Part 15 Class A, EN55022:1998 Class A ITE Emissions, EN55024:1998 Class A ITE

Environmental

	Operating	Storage/Transit
Temperature	**0 to 60°C**	**-40 to 70°C**
Humidity	**5 to 95% @ 40°C non-condensing**	**0 to 95% @ 40°C non-condensing**
Altitude	**15,000 ft. (4572 m.)**	**50,000 ft. (15,240 m.)**
Shock	**Designed to meet IEC 68-2-27**	
Vibration	**Designed to meet IED 68-2-6**	

Peripheral Connectivity

	Front	Rear
Serial Port (COM1)	**Y**	**N**
Serial Port (COM2)	**N**	**J3***
Parallel Port	**N**	**J5†**
Floppy	**Y****	**J5**
PS/2 Keyboard & Mouse	**Y**	**J5***
Ultra DMA/33 IDE (Primary)	**Y****	**J5**
Ultra DMA/33 IDE (Secondary)	**N**	**J5**
USB A/B	**N**	**J5***
Speaker	**N**	**J5**
Ultra2 SCSI (LVD/SE)	**N**	**J3/J3"**
10/100 Mb Ethernet (mutually exclusive)	**Y**	**JX/JX***
AGP Video	**Y**	**J3***
System Power LED	**Y**	**N**
EIDE & SCSI Activity LEDs	**Y**	**N**
Reset	**Y**	**N**
IPMI Serial Port	**N**	**Y**
IPMI Ethernet Port	**N**	**Y**
IPMI ICMB Port	**N**	**Y**

***Connector on I/O Transition Module Faceplate**
****Connector/Function on SBC/Mezzanine Faceplate †Accessed internally**

ORDERING INFORMATION

Call for pricing and availability.

For Celeron

CSBC1200-C566
CompactPCI SBC w/566MHz Celeron Processor

CSBC1200-C733
CompactPCI SBC w/733MHz Celeron Processor

CSBC1200-C850
CompactPCI SBC w/850MHz Celeron Processor

CSBC1210-C566
CompactPCI SBC w/566MHz Celeron w/o SCSI

CSBC1210-C733
CompactPCI SBC w/733MHz Celeron w/o SCSI

CSBC1210-C850
CompactPCI SBC w/850MHz Celeron w/o SCSI

For Pentium III

CSBC1200-P600
CompactPCI SBC w/600MHz Pentium III Processor

CSBC1200-P700
CompactPCI SBC w/700MHz Pentium III Processor

CSBC1200-P850
CompactPCI SBC w/850MHz Pentium III Processor

CSBC1200-P1000
CompactPCI SBC w/1GHz Pentium III Processor

CSBC1210-P600
CompactPCI SBC w/600MHz Pentium III w/o SCSI

CSBC1210-P700
CompactPCI SBC w/700MHz Pentium III w/o SCSI

CSBC1210-P850
CompactPCI SBC w/850MHz Pentium III w/o SCSI

CSBC1210-P1000
CompactPCI SBC w/1GHz Pentium III w/o SCSI

OPTIONS:

CTM80-CBX02
CompactPCI 80mm Rear I/O Transition Module w/o IPMI

CM-CBXBR01
CompactPCI PCI-to-PCI Mezzanine Bridge Card

CFC-xxx-MB or GB
48/86/192/256/512 MB and 16B CompactFlash

MD-xxx-MB or GB
512 MB/1 GB MicroDrive. Call for other capacities.

Consult the factory for other Mezzanine and PCI-to-PCI ridge configurations.

Contact us:

800-92MUPAC
(800-926-8722)

cgmupac.com

Computer Systems
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Central:	3302 West Miller, Garland, Texas 75041	Tel. (877) 896-8722	Fax (972) 926-6754	www.cgmupac.com
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