

## CB4021 | PC/104 Industrial Motherboard

### CPU type

- CPU: AMD LX800
- FSB: 133 MHz
- Performance: 500 MHz

### Chipset

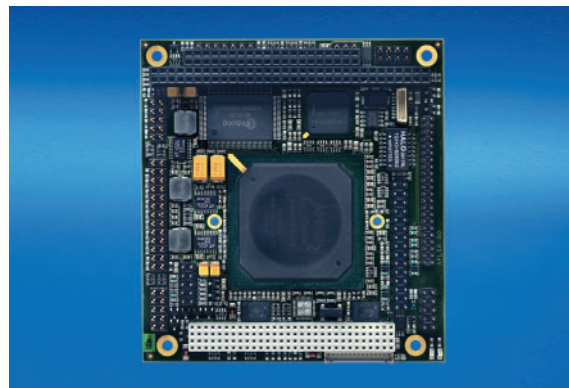
- Northbridge: AMD Geode CS5536
- Southbridge: AMD Geode CS5536

### Memory

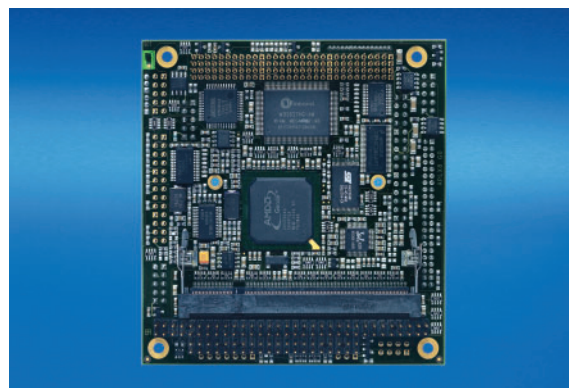
- Type: SODIMM200–2.5 V/DDR
- Speed max.: DDR400

### Graphic

- Controller: AMD LX800 integrated
- Memory: 254 MB UMA



Front side



Back side

## Technical data

CPU type	
CPU	AMD LX800
Socket	no (soldered)
2 <sup>nd</sup> level cache	128 kB
FSB	133 MHz
Performance	500 MHz

Chipset	
Northbridge	AMD Geode CS5536
Southbridge	AMD Geode CS5536
Super IO1	Winbond W83627H
Super IO2	–
ISA	Winbond W83626F LPC
Hardware monitoring	Super IO1

Memory	
Type	SODIMM200–2.5 V/DDR
Size max. (MB)	1,024 MB
Speed max.	DDR400
On-board flash	optional, 2 GB or 4 GB
On-board NOVRAM	–

Graphic	
Controller	AMD LX800 integrated
Video BIOS	AMD BIOS
Memory	254 MB UMA
CRT	yes
CRT resolution	1920 x 1440
DVI	–
LCD TTL	–
LCD LVDS 18/24/36/48	yes/–/–/–
LCD resolution	1600 x 1200

BIOS	
Manufacturer	Phoenix Award 6.1
BIOS chip	FWH
Power management APM/ACPI	yes/yes
SpeedStep®/ATM	–
Selectable fixed frequency	yes
Power states S0/S1/S3/S4/S5	yes/–/–/yes/yes

Buses	
ISA	PC/104
PCI	PC/104+
AGP 3.3 V/1.5 V	–
PCIe x1/x4/x16	–

Audio	
Controller and codec	AMD CS5536/Realtek ALC655
Support for 2/6/8 channels (2.0/5.1/7.1)	yes/yes/–
Analog input Line/CD/AUX/Mic1/Mic2/Phone/PCBeep	yes/–/–/yes/yes/–/yes
Analog output Line/Mono out	yes/–
Digital input/output	yes/yes
Amplifier	–

LAN	
LAN1 controller	Intel® 551ER
LAN1 10/100/1000	yes/yes/–
LAN1 boot option RPL/PXE/WOL	–
LAN2 controller	–
LAN2 10/100/1000	–
LAN2 boot option RPL/PXE/WOL	–

ATA/SATA interfaces	
ATA primary/secondary	yes/–
ATA RAID 0/1/5/10	–
PIO 0/1/2/3/4 –	yes/yes/yes/yes/yes – yes/yes/yes/–
DMA33/66/100/133	–
SATA 1/2/3/4/5/6	–
SATA RAID 0/1/5/10	–
1.5 Gbs/3.0 Gbs	–
Compact Flash socket	–

USB interfaces	
Boot HD/FDD/CD-ROM/FD/ZIP	yes/yes/yes/yes/yes
USB channels	4
USB 1.0/2.0/host/device	yes/yes/yes/(USB4)
Specials/options	(USB4:device)

Serial interfaces	
COM1/2: TTL/RS232/RS485/RS422	–/yes/yes/yes
COM3/4: TTL/RS232/RS485/RS422	–

Parallel interfaces	
LPT1 Uni/ECP/EPP/FDC	yes/yes/yes/yes
LPT2 Uni/ECP/EPP/FDC	–

Interfaces	
PS/2 keyboard/mouse	yes/yes
Floppy interface FCC/LPT	–/yes
Touch controller ELO resistive	–
TPM	yes
Watchdog	yes

Power supply	
Supply voltage	5 V
Power normal (typ.)	5 V, 1.5 A

Cooling	
Cooling mode	passive
Operating temperature	0...60 °C
Extended temperature	on request
Storage temperature	-20...+70 °C

Dimensions	
Format	PC/104+
Dimensions (W x H x D)	90 mm x 24 mm x 96 mm
Further information	<a href="http://www.beckhoff.com/CB4021">www.beckhoff.com/CB4021</a>