



MPCV8001

The universally deployable industrial computer

This totally silent fan-less DIGITAL-LOGIC computer for control and automation applications operates on the basis of the GEODE LX800 with passive cooling. The main focus is on the two LAN ports, the service-friendly hard drive/CompactFlash, the wide range of interfaces and the expansion with 2 PC/104-Plus cards. The serial interfaces are in the form of RS232C by default. In order to increase operational safety, galvanically isolated RS422 and RS485 are available on the COM3/4 interfaces. Two internal PC/104-Plus (ISA and PCI) slots are available for functional expansions. There are 3 connector openings (X1, X2 and X3) in the replaceable front panel for cabling additional functions. The power is supplied by the connecting terminals. 24 programmable I/O lines are available for control purposes.

Applications:

- _ Machine control computer
- _ Soft PLC
- _ Communication computer



Ordering information

Item	No.	Description
MPCV8001	815110	with GEODE LX800, 256MB, 40GB-HD, 2x LAN, COM1/2/3/4, LTP
Upgrade	815060	256 to 512 MB memory
	815062	256 to 1GB memory
Downgrade	815050	1x CompactFlash holder instead of hard drive
Option	815080	WLAN – 80211 b/g
	815070	Adapter 220/110V 90W
	804020	Galv. sep. RS422 for COM 3/4
	804021	Isolated RS485 for COM 3/4



Part nr. 804020



Part nr. 804021

Technical data

MPCV8001

CPU	AMD GEODE LX800, 500MHz
2nd Level Cache	0kB
Chipset	LX800
Memory	256MB (max. 1GB)
Hard drive	40GB, 2.5" (max. 80GB)
Optical drive	-
Video controller	GEODE
Video memory	16MB
3D-Support	-
Video interface 1	XGA
Video interface 2	-
Video interface 3	LVDS, 18-bit
Resolution	2048 x 1536 (@ 75Hz)
Keyboard, mouse	PS/2 (Y cable)
Serial interface COM1	RS232C
Serial interface COM2	RS232C
Serial interface COM3	RS232C, optionally RS422/485
Serial interface COM4	RS232C, optionally RS422/485
Parallel interface	LPT
USB V2.0	4x
Firewire IEEE1394	-
TV input/Frame grabber	-
LAN Port A (with LAN boot)	100/10Base-T (RJ45)
LAN Port B	1GB (RJ45)
LAN Port C	-
SCSI	-
Audio controller	-
Line output	-
Line input/mic.	-
SPDif output	-
Option 1	WLAN MiniPCI
Option 2	Isolated RS422 (with COM 3/4)
Option 3	Isolated RS422 (with COM 3/4)
Option 4	-
Digital input/output	24 24 programmable I/O
Remote power on/off	-
Voltage input/power	10V – 30V DC / typ. 18W
Plug-in power supply	110/220V AC
Expansion	MiniPCI, PC/104-Plus (max. 2 cards)
Power save function	Suspend/Resume, SoftOff, Instant On
Conformity	CE, FCC
Protection class	IP40
Size (W x L x H in mm)	292 x 146 x 83
Weight	3 kg
Housing	Metal
Colour	grey/red
Noise level	<20dB(A)
Operating temperature	+5°C to +50°C
Extended operating temperature	-
Vibration/shock incl. HD/CD/DVD	1/10G
MTBF	60'000 hrs.
Operating systems	WIN2000, WIN XP, LINUX