



MPCV8551

The universally deployable industrial computer

This totally silent DIGITAL-LOGIC computer for control and automation applications operates on the basis of the Intel® Processor® 800MHz 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. Galvanically isolated RS422 and RS485 are available on the COM3/4 interfaces in order to increase operational safety. 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 from 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
MPCV855I	815010	with SM855-120 (800 MHz), 40GB-HD, 4x USB, COM 1/2/3/, LPT
Upgrade	815060 815062	256 to 512MB Memory 256 to 1GB Memory
Downgrade	815050	1x CompactFlash holder instead of hard drive
Option	815080 815070 804020 804021	WLAN – 80211 b/g Adapter 220/110V 90W galv. isolated RS422 for COM3 and/or COM4 galv. isolated RS485 for COM3 and/or COM4



Part nr. 804020



Part nr. 804021

Technical data

MPCV855I

CPU	Intel® Processor® C120, 800MHz
2nd Level Cache	0kB
Chipset	Intel® 855GME
Memory	256MB (max. 1GB)
Hard drive	40GB, 2.5" (max. 80GB)
Optical drive	-
Video controller	Intel® 855GME
Video memory	64MB
3D-Support	DirectX 9
Video interface 1	QXGA
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 COM3/4)
Option 3	Isolated RS422 (with COM3/4)
Option 4	-
Digital input/output	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