



# MPCV855

The universally deployable computer

This totally silent DIGITAL-LOGIC computer for display and control 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 and the expandability with 2 PC/104-Plus cards. The hard drive can be replaced without opening the housing or with a robust CompactFlash disk (part no. 815050).

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 a plug-in power supply or via connecting terminals (optional). 24 programmable I/O lines are available for control purposes.

## Applications

- \_ Control computer
- \_ Automation computer
- \_ Data acquisition computer



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## Ordering information

Item	No.	Description
MPCV855	815000	with SM855-120 (800MHz), 40GB-HD, 2x LAN, 4x USB, COM1/2
Upgrade	815060	256MB to 512MB memory
	815062	256MB to 1GB memory
	815052	40GB-HD to 16GB-SSD with -40°C to +85°C
	815054	40GB to 160GB hard drive
Downgrade	815050	1x CompactFlash holder instead of hard drive
Option	815080	WLAN – 80211 b/g
	815070	adapter 220/110V 90W



## Technical data

## MPCV855

<b>CPU</b>	Intel <sup>®</sup> Processor <sup>®</sup> C120, 800MHz
<b>2<sup>nd</sup> Level cache</b>	0kB
<b>Chipset</b>	Intel <sup>®</sup> 855GME
<b>Memory</b>	256MB (max. 1GB)
<b>Hard drive</b>	40GB, 2.5" (max. 80GB)
<b>Optical drive</b>	-
<b>Video controller</b>	Intel <sup>®</sup> 855GME
<b>Video memory</b>	64MB
<b>3D-Support</b>	DirectX 9
<b>Video interface 1</b>	QXGA
<b>Video interface 2</b>	-
<b>Video interface 3</b>	LVDS, 18Bit
<b>Resolution</b>	2048 x 1536 (@ 75Hz)
<b>Keyboard, mouse</b>	USB
<b>Serial interface COM1</b>	RS232C
<b>Serial interface COM2</b>	RS232C
<b>Serial interface COM3</b>	-
<b>Serial interface COM4</b>	-
<b>Parallel interface</b>	-
<b>USB V2.0</b>	4x
<b>Firewire IEEE1394</b>	-
<b>TV input/Frame grabber</b>	-
<b>LAN port A (with LAN boot)</b>	10/100BASE-T (RJ45)
<b>LAN port B</b>	1GB (RJ45)
<b>LAN port C</b>	-
<b>SCSI</b>	-
<b>Audio controller</b>	-
<b>Line output</b>	-
<b>Line input/mic. input</b>	-
<b>SPDif output</b>	-
<b>Option 1</b>	WLAN MiniPCI
<b>Option 2</b>	SSD 16GB ext. temp.
<b>Option 3</b>	-
<b>Option 4</b>	-
<b>Digital input/output</b>	24 programmable I/O
<b>Remote power on/off</b>	-
<b>Voltage input/power</b>	10V-30V DC / typ. 18W
<b>Plug-in power supply</b>	110/220V AC
<b>Expansion</b>	MiniPCI, PC/104-Plus (max. 2 cards)
<b>Power save function</b>	Suspend/Resume, SoftOff, Instant On
<b>Conformity</b>	CE, FCC
<b>Protection class</b>	IP40
<b>Size (W x L x H in mm)</b>	292 x 146 x 83
<b>Weight</b>	3 kg
<b>Housing</b>	Metal
<b>Colour</b>	grey/red
<b>Noise level</b>	<20dB(A)
<b>Operating temperature (with HD)</b>	+5°C to +50°C
<b>Extended operating temperature</b>	with SSD/CF: -25°C to +60°C
<b>Vibration/shock incl. HD/CD/DVD</b>	1/10G
<b>MTBF</b>	60'000 hrs.
<b>For operating systems</b>	WIN2000, WIN XP, LINUX

Manufacturer:

**DIGITAL-LOGIC**  
smart embedded computers

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