



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 expansion with 2 PC/104-Plus cards. The hard drive can be replaced without opening the housing or be replaced with a robust Compact-Flash 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



Ordering information

| Item | No. | Description |
|-----------|--------|--|
| MPCV855 | 815000 | with SM855-120 (800 MHz), 40GB-HD, 2x LAN, 4x USB, COM 1/2 |
| Upgrade | 815060 | 256 to 512MB 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 |



Technical data

MPCV855

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|--|-------------------------------------|
| 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 | USB |
| Serial interface COM1 | RS232C |
| Serial interface COM2 | RS232C |
| Serial interface COM3 | - |
| Serial interface COM4 | - |
| Parallel interface | - |
| 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 | - |
| Option 3 | - |
| 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 |