# MICROSPACE® COMPUTER SYSTEMS

# MPC26/L/A

**Economical multimedia computer with PCI/104 expandability**

The MICROSPACE® MPC26 computer system contains the MSB200 board with its interfaces and is based on Intel's Atom processor with up to 1.6GHz. It boots from CompactFlash, LAN, USB, or from the optionally integrated 2.5" hard disk. The MPC26 is 46mm in height and the smallest computer of its kind. The MiniPCIe slot makes it possible to integrate WLAN or field buses. Power is supplied directly with 12V or with a 110/220V power supply unit.

## Applications

_ Cost-effective information terminals (LAN, 3D-VGA)

_ Expanded multimedia system

_ Measuring computer (PCI/104 measuring cards)

_ 3D video (DiV-X, DVD, MPEG-4) player

_ 2-4 serial interfaces

## Ordering information

| Item | No. | Description |
|------|-----|-------------|
| HD250GB | 807466 | 250GB hard drive SATA 0°C to +50°C operating temperature |
| WLAN | 812048 | Optional WLAN (PCIe MiniCard) |

## DIGITAL-LOGIC
smart embedded computers

| Technical data | MPC26A-xxGB | MPC26-xxGB | MPC26L-xxGB |
|---|---|---|---|
| CPU | Intel® Atom Z530 | Intel® Atom Z530 | Intel® Atom Z510 |
| ISA-BUS | - | - | - |
| PCI-BUS | - | 1 PCI/104 slot | 1 PCI/104 slot |
| PCI Express-BUS | PCIexpress MiniCard | PCIexpress MiniCard | PCIexpress MiniCard |
| 2nd Level cache (kB) | 512 | 512 | 512 |
| Performance (GHz) | 1.6 | 1.6 | 1.1 |
| DRAM Min-Max (GB) | 1 | 1 | 0.5 |
| CompactFlash socket (Type I/II) | yes, CF 256MB inst. | yes, CF 256MB inst. | yes |
| Keyboard, mouse (PS/2) | - | - | - |
| Boot drive | CF, USB, LAN, Opt. HD | CF, USB, LAN, Opt. HD | CF, USB, LAN, Opt. HD |
| IDE Interface S-SATA | 1x | 1x | 1x |
| Digital in | - | - | - |
| Digital out | - | - | - |
| COM1 | RS232 | RS232 | RS232 |
| COM2 | RS232 | RS232 | RS232 |
| COM3 | RS232 | - | - |
| COM4 | RS232 | - | - |
| LPT1 | - | - | - |
| USB (2.0) | 6x (1x internal) | 6x (1x internal) | 6x (1x internal) |
| CAN1-V2.0 | - | - | - |
| CAN2-V2.0 | - | - | - |
| LAN Port A | 1GB-LAN (PCIe) | 1GB-LAN (PCIe) | 1GB-LAN (PCIe) |
| LAN Port B | 100MB-LAN | 100MB-LAN | - |
| Audio | Stereo In/Out | Stereo In/Out | Stereo In/Out |
| Video controller | Intel® | Intel® | Intel® |
| Video memory (MB) | 128 | 128 | 128 |
| LCD interface | - | - | - |
| DVI interface | yes | yes | yes |
| CRT interface | - | - | - |
| Video input | - | - | - |
| Watchdog | yes | yes | yes |
| Power normal | 10V-20V/5W | 10V-20V/5W | 10V-20V/5W |
| Power suspend | 0.1W | 0.1W | 0.1W |
| Power management | yes | yes | yes |
| RTC battery onboard | 400mAh (>10 years) | 400mAh (>10 years) | 400mAh (>10 years) |
| Cooling type | passive | passive | passive |
| Operating temperature (without hard disk) | -25°C to +70°C | -25°C to +70°C | -25°C to +70°C |
| Extended operating temperature | - | - | - |
| Size (W x L x H in mm) | 165 x 110 x 27 | 165 x 110 x 27 | 165 x 110 x 27 |
| Weight | 500 g | 500 g | 500 g |
| MTBF | >100'000h (without HD) | >100'000h (without HD) | >100'000h (without HD) |
| Special features 1 | - | - | - |
| Special features 2 | - | - | - |
| Special features 3 | FreeDOS + Linux inst. | FreeDOS + Linux inst. | - |
| Part no. with 0.5GB RAM | - | - | 812071 |
| Part no. with 1GB RAM | 812101 | 812091 | - |
| Part no. with 2GB RAM | 812102 | 812092 | - |