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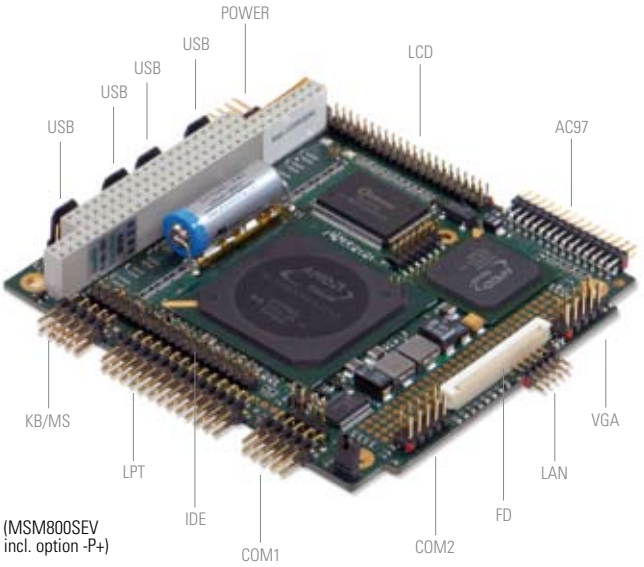
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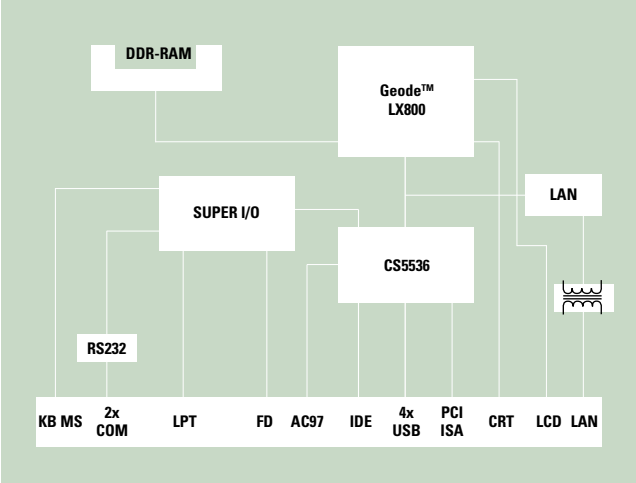
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Find the *Microspace / Digital-Logic MSM800SEL* at our website: ***Click HERE***




(MSM800SEV
incl. option -P+)




# MSM800SEL/SEV/BEV

## Description

The MICROSPACE® MSM800SEL/SEV/BEV has all of the standard PC interfaces plus ethernet LAN and a sound controller (SEV/BEV). In the BEV version, a PCI to ISA bridge is onboard and provides extensive ISA bus support. The SEV version uses an LPC to ISA bridge. The PC/104-*Plus* bus and 4 USB interfaces are available as functional extensions. The 8W power consumption permits passive cooling within a very broad ambient temperature range. The SEL version is a low-cost variant without battery, sound codec, cooler or ISA bus.

## Applications

_ Information terminals
_ Control of interactive devices
_ Play systems with music output
_ Measuring instruments
_ Telecommunication devices

## Ordering information (Option/accessories)

| Article | No. | Description |
|---|---|---|
| Option L+ | 807006 | PC/104plus Con. long not with Opt.CF (807007) |
| Option P+ | 807005 | PC/104plus Con. short |
| Option CF2 | 807007 | CF Socket Type II not with Opt.-L+ (807006) |
| MSM800-CKCON | 803035 | Cablekit with connector- print for USB, LAN, Sound, Cables:FD, COM, LPT, PWR, PS2 |
| MSFLOPPY | 891001 | Floppydrive, 26pin, black |
| MSFDCK | 802600 | Microfloppycable 150mm |
| MSM800-LANCON | 803046 | LAN cable with RJ45 print |
| MSM800-DVICON | 803042 | Converter to DVI-D 24Bit, not for 802105 |
| MSM800-LVDSCON | 803044 | Converter to LVDS |
| SODIMM DDR 128MB | 890669 | 333MHz, 200pin, noECC |
| SODIMM DDR 256MB | 890670 | 333MHz, 200pin, noECC |
| SODIMM DDR 512MB | 890671 | 333MHz, 200pin, noECC |
| SODIMM DDR 1GB | 890672 | 333MHz, 200pin, noECC |
| MSM800... smallcooler | 807041 | for -25°C to +70°C Air |
| MSM800... large cooler | 807042 | for -40°C to +85°C Air (not with 802100/802105) |
| MSM800...Th.Junction | 807043 | Thermal conduct. cooling (not with 802100/802105) needs screening opt.E48 |

*Photos on page 44. Cooler must always be ordered separately.

DIGITAL-LOGIC
smart embedded computers

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ISA | PCI | LX800 LX900 | 500MHz 600MHz | max. 1GB RAM | 1x LAN | RoHS



## Technical data

| Type | MSM800SEL | MSM800SEV | MSM800BEV | MSM900BEV |
|---|---|---|---|---|
| CPU | AMD Geode™ LX800 | AMD Geode™ LX800 | AMD Geode™ LX800 | AMD Geode™ LX900 |
| ISA-BUS (option 807006 or 807005) | PC/104-8bit | PC/104-8bit | PC/104-8/16-bit | PC/104-8/16-bit |
| PCI-BUS | Option (3slot) | Option (3slot) | Option (2slot) | Option (2slot) |
| PCI Express-BUS | - | - | - | - |
| 2nd Level cache (kB) | 128 | 128 | 128 | 128 |
| Performance (MHz) | 500 | 500 | 500 | 600 |
| DRAM Min-Max (MB) | 128-1024 | 128-1024 | 128-1024 | 128-1024 |
| CompactFlash socket (option 807007) | Option type II | Option type II | Option type II | Option type II |
| Keyboard, mouse (PS/2) | yes | yes | yes | yes |
| Boot drive | FD, HD, LAN, CF, USB | FD, HD, LAN, CF, USB | FD, HD, LAN, CF, USB | FD, HD, LAN, CF, USB |
| Floppy interface | yes | yes | yes | yes |
| IDE interface P-ATA | 1x | 1x | 1x | 1x |
| IDE interface S-ATA | - | - | - | - |
| COM1 | RS232C | RS232C | RS232C | RS232C |
| COM2 | RS232C | RS232C | RS232C | RS232C |
| COM3 | - | - | - | - |
| COM4 | - | - | - | - |
| LPT1 | yes | yes | yes | yes |
| USB (2.0) | 4x | 4x | 4x | 4x |
| LAN port 1 incl. transformer | 10/100BASE-T | 10/100BASE-T | 10/100BASE-T | 10/100BASE-T |
| LAN port 2 | - | - | - | - |
| Audio | - | AC97 | AC97 | - |
| Video controller | LX800 | LX800 | LX800 | LX900 |
| Video memory (MB) | 16 (UMA) | 16 (UMA) | 16 (UMA) | 16 (UMA) |
| LCD interface | 24bit, 240x 320 to 1600x 1200 | 24bit, 240x 320 to 1600x 1200 | 24bit, 240x 320 to 1600x 1200 | 24bit, 240x 320 to 1600x 1200 |
| DVI interface | - | Option 803042 | Option 803042 | Option 803042 |
| CRT interface | yes | yes | yes | yes |
| Video input | - | - | - | - |
| Watchdog | yes | yes | yes | yes |
| Power normal (typ.) | 5V/8W | 5V/8W | 5V/8W | 5V/9W |
| Power suspend (typ.) | 3W | 3W | 3W | 3W |
| Power management | yes | yes | yes | yes |
| RTC battery onboard (typ. 5 years) | external | 400mAh | 400mAh | 400mAh |
| Cooling type | order separately | order separately | order separately | order separately |
| Operating temperature without cooler | 0°C to +60°C | 0°C to +60°C | 0°C to +60°C | 0°C to +60°C |
| Operating temperature with 807041 | -25°C to +70°C | -25°C to +70°C | -25°C to +70°C | -25°C to +70°C |
| Extended operating temperature with 807042 + E48 | - | - | -40°C to +85°C | -40°C to +70°C |
| Extended operating temperature with 807043 + E48 | - | - | -40°C to +85°C | -40°C to +85°C |
| Size (W x L in mm) | 90 x 96/99 | 90 x 96/99 | 90 x 96/99 | 90 x 96/99 |
| Weight | 90 g | 95 g | 100 g | 100 g |
| MTBF | >200'000h | >200'000h | >200'000h | >200'000h |
| Special features 1 | - | LVDS-option 803044 | LVDS-option 803044 | LVDS-option 803044 |
| Special features 2 | - | - | - | - |
| Special features 3 | - | - | - | - |
| Part no. (*without DDR-RAM-Module) (without cooler) | 802105* | 802100* | 802110* | 802160* |


Manufacturer:

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