

SM800PC/X

Description

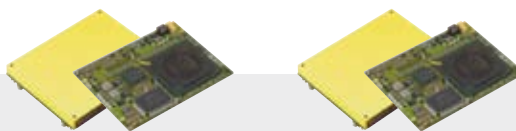
The SM800PC/X smartModule is based on the AMD LX800 and performs at 500MHz. All interfaces, the 16 bit ISA bus and the PCI bus, are contactable via the 480 pin smartBus. The SM800PC smartModule is one of the smallest computers on module (COM) and enables integration of the personal computer in very small devices and environments. The product is characterized by very low power consumption (8W), a broad temperature range, and an excellent price/performance ratio.

Applications

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

Ordering information (Option/accessories)

| Article | No. | Description |
|---------------------|--------|---|
| SM480-CON7 | 807127 | Connector 240pin,h=7mm, 2unit needed, packsize=6 |
| SM480 passiv cooler | 807120 | for SM480 modules |
| 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 |
| SM800DK | 805220 | SM800 DevelopmentKit incl. SM800PCX, 256MB-RAM, HD, CD, Doc's, Cables |



Technical data

| Type | SM800PCX | SM800PC |
|--------------------------------------|-------------------------------|-------------------------------|
| CPU | AMD Geode™ LX800 | AMD Geode™ LX800 |
| ISA-BUS | 8/16-bit | 8/16-bit |
| PCI-BUS | 32bit | 32bit |
| PCI Express-BUS | - | - |
| 2 nd Level cache (kB) | 128 | 128 |
| Performance (MHz) | 500 | 500 |
| DRAM Min-Max (MB) | 128-1024 | 128-1024 |
| CompactFlash socket | - | - |
| Keyboard, mouse (PS/2) | yes | yes |
| Boot drive | FD, HD, LAN, CF, USB | FD, HD, CF, USB |
| Floppy interface | yes | yes |
| IDE interface P-ATA | 1x | 1x |
| IDE interface S-ATA | - | - |
| COM1 | TTL | TTL |
| COM2 | TTL | TTL |
| COM3 | - | - |
| COM4 | - | - |
| LPT1 | yes | yes |
| USB (V2.0) | 4x | 4x |
| LAN port 1 (ext. transformer) | 10/100BASE-T | - |
| LAN port 2 | - | - |
| Audio | yes (AC97) | yes (AC97) |
| Video controller | LX800 | LX800 |
| Video memory (MB) | 16 (UMA) | 16 (UMA) |
| LCD interface | 24bit, 240x 320 to 1600x 1200 | 24bit, 240x 320 to 1600x 1200 |
| DVI interface | - | - |
| CRT interface | yes | yes |
| Video input | - | - |
| Watchdog | yes | yes |
| Power normal (typ.) | 5V/8W | 5V/8W |
| Power suspend | - | - |
| Power management | yes | yes |
| RTC battery onboard | external | external |
| Cooling type | passive | passive |
| Operating temperature | -25°C to +70°C* | -25°C to +70°C* |
| Extended operating temperature (E48) | -40°C to +85°C* | -40°C to +85°C* |
| Size (W x L x H in mm), h = 7mm | 66 x 85 x 16 | 66 x 85 x 16 |
| Weight | 110 g | 110 g |
| MTBF | >300'000h | >300'000h |
| Special features 1 | - | - |
| Special features 2 | - | - |
| Special features 3 | - | - |
| Part no. | 805212 | 805210 |

*The maximum values require appropriate cooling methods.

Manufacturer:

DIGITAL-LOGIC
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