

SM800PC/X

Description

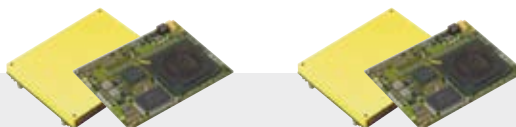
The SM800PC/X smartModule is based on the AMD LX800 and performs at 500MHz. All interfaces, the 16 bit ISA bus and the PCI bus, are contactable via the 480 pin smartBus. The SM800PC smartModule is one of the smallest computers on module (COM) and enables integration of the personal computer in the very 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	No.	Description
SM480-CON5	439004	Connector 240pin h = 5mm
SM480-CON7	439022	Connector 240pin h = 7mm
SM480 passive cooler	807120	Passive cooler for SM480



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
BootDrive	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	-	-
USB (V1.1)	-	-
LAN port 1 (ext. trafo)	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	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	-40°C to +85°C	-40°C to +85°C
Size (W x L in mm)	66 x 85 x 14	66 x 85 x 14
Weight	105 g	105 g
MTBF	>200'000h	>200'000h
Special features 1	-	-
Special features 2	-	-
Special features 3	-	-
Part no.	805212	805210

Option/accessories

Article	Description	No.	No.	No.
DDR-RAM128	128MB RAM	860696	860696	
DDR-RAM256	256MB RAM	860670	860670	
DDR-RAM512	512MB RAM	860671	860671	
DDR-RAM1024	1024MB RAM	860672	860672	
SM800PCDK	Development-Kit	805220	805220	