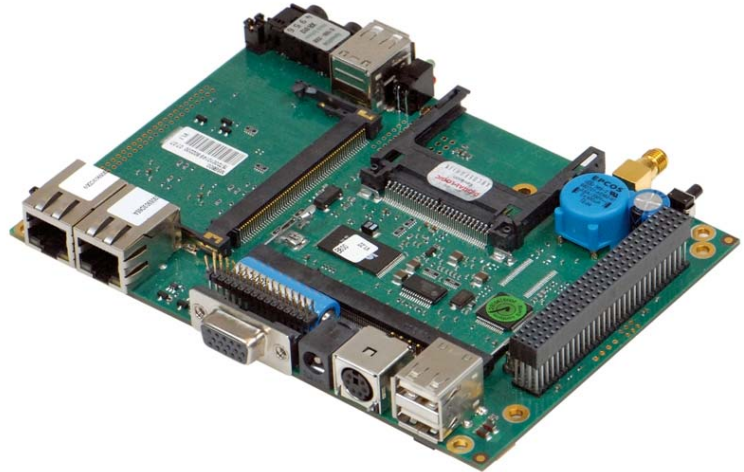




MSB800 - 3.5-inch LX800 500MHz

Features

- AMD LX800 GEODE Processor, 500MHz
- 128MB to 1GB DDR SoDIMM
- Dual 10/100 Ethernet LAN
- CF II Compact Flash Socket
- Mini-PCI Socket
- Video Input
- PCI-104 Header
- LVDS Interface (optional)
- 3.5-inch Form Factor



Ordering Information

Item Code	Part #	Description
Base		
MSB800	802200	LX800, 500MHz, video input, without cooler
MSB800LVDS	802204	LX800, 500MHz, no video input, with LVDS, without cooler
Memory Options		
SODIMM DDR 128MB	994715	333MHz 200pin noECC
SODIMM DDR 256MB	994825	333MHz 200pin noECC
SODIMM DDR 512MB	994925	333MHz 200pin noECC
SODIMM DDR 1GB	994025	333MHz 200pin noECC
Accessories		
MSB800CON	802205	Connectorboard f. MSB800 DSub to COM1 and LPT1
MSB800CK	802208	Cablesset: 1xIDE (20cm) 1x COM2 (30cm) to DSub9
MSB800 Heatspreader	807045	Thermal conduct. cooling (not with 802204)
PowerSupply 19V/60W	812029	ACin:110-240V 60W Uout:19V 3Amp.without: powercord (order no. 100-9639)
U.S. Power Cable	100-9639	U.S. Power Cable (spare)

Description

The MICROSPACE® MSB800 3.5" single board computer has all of the standard PC interfaces plus a second ethernet LAN, video input for a video camera, and stereo sound controller. In contrast to the PC/104-Plus cards, all interfaces are connected to standard plugs; this means low-cost, cable free housing integration. The PCI/104 bus (32 bit PCI), MiniPCI base and 4 USB interfaces are available as functional extensions. Wide range power supply is also onboard so that cost-effective power supply units can be used.

Data subject to change without notice



Technical Specifications

FEATURE	MSB800	MSB800LVDS
Part no. LX800	802200	802204 (may have long lead time)
CPU	LX800	LX800
ISA-BUS	-	-
PCI-BUS	yes (PCI/104), option	yes (PCI/104)
PCI Express-BUS	-	-
2nd Level cache (kB)	128	128
Performance (MHz)	500	500
DRAM Min-Max (MB)	128-1024	128-1024
CompactFlash socket	yes, type II	yes, type II
Keyboard/mouse (PS/2)	yes	yes
Boot drive	HD, CF, USB, LAN	HD, CF, USB, LAN
Floppy interface	-	-
IDE interface P-ATA	1x	1x
IDE interface S-ATA	-	-
COM1	RS232C (802205)	RS232C (802205)
COM2	RS232C (802205)	RS232C (802205)
COM3	-	-
COM4	-	-
LPT1	yes (802205)	yes (802205)
USB (2.0)	4x	4x
LAN port 1 incl. onboard transformer	10/100BASE-T	10/100BASE-T
LAN port 2 incl. onboard transformer	10/100BASE-T	10/100BASE-T
Audio	Stereo In/Out	Stereo In/Out
Video controller	LX800	LX800
Video memory (MB)	16 (UMA)	16 (UMA)
LCD interface	-	LVDS 24bit
DVI interface	-	-
CRT interface	yes	yes
Video input	yes	-
Watchdog	yes	yes
Power normal (typ.)	8V-30V/10W	8V-30V/10W
Power suspend	0.1W	0.1W
Power management	yes	yes
RTC battery onboard	900mAh (>10 years)	900mAh (>10 years)
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)	146 x 102 x 20	146 x 102 x 20
Weight	165 g	165 g
MTBF	>200'000h	>200'000h
Special features 1	MiniPCI-socket	MiniPCI-socket
Special features 2	-	-
Special features 3	-	-

*With thermal coupling of the CPU to the metal housing or using 807045.

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