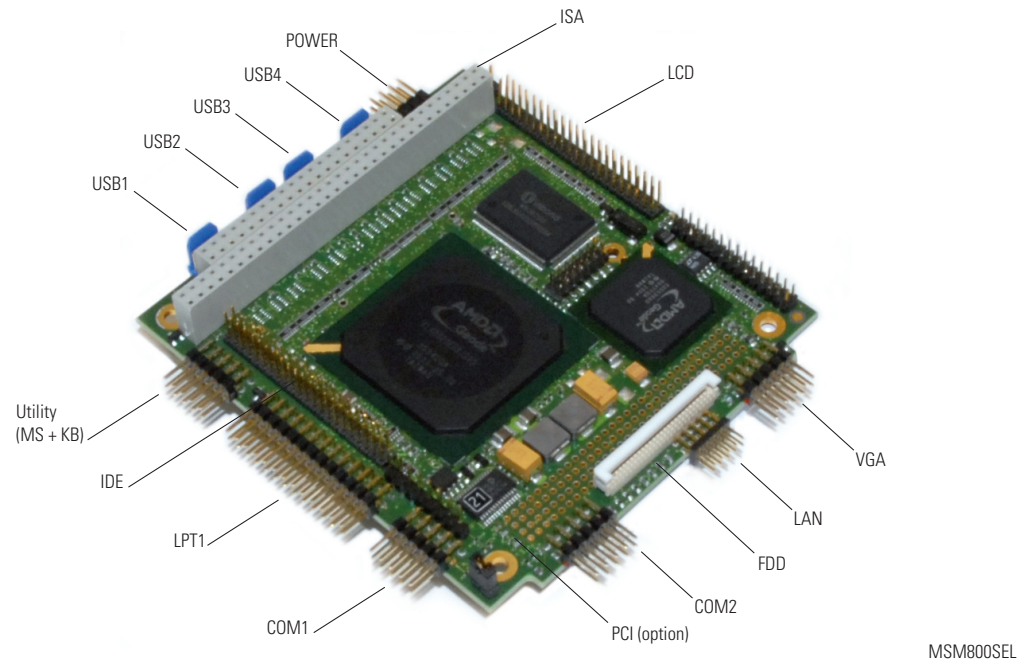


# MICROSPACE® PC/104-Plus SINGLE BOARD COMPUTER



## MICROSPACE® MSM800SEL

The MICROSPACE® MSM800SEL embedded single board computer is based on the PC/104-Plus form factor and runs with an AMD GEODE LX800 CPU. All standard PC functions are implemented on this smallest embedded form factor board plus the LAN, 4x USB, optional compact flash socket and onboard graphic controller for CRT/FP. This product may be functional expanded with up to 3 PC/104 or PCI/104 peripheral boards from the market.

The PCI/104 connector can be ordered in a long and short (needed in the combination of the CF-socket) version. The very low power consu-

ming (8watts) 500MHz CPU is fanless cooled. The MSM800 is available in the extended operating temperature range.

The MICROSPACE® PC/104-Plus product family works with every operating system and all application software written for PC's. The MSM800CK includes all needed cables for the connection to the peripherals and is an accelerator for the first time start-up.

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smart embedded computers

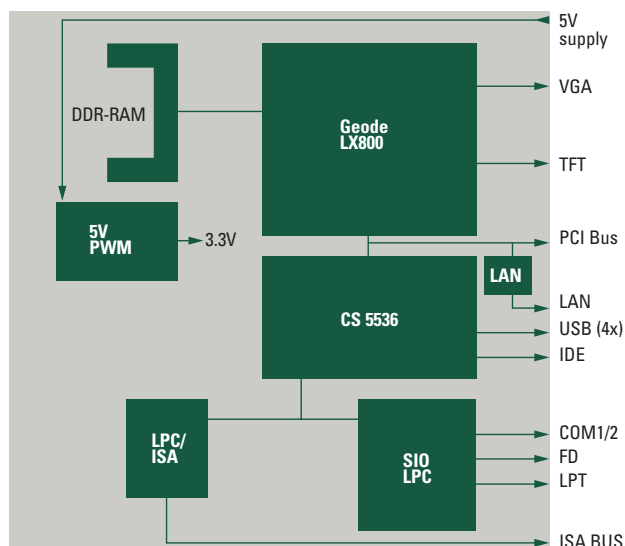
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# MICROSPACE® PC/104-Plus SINGLE BOARD COMPUTER

MSM800SEL



## Ordering Information

Article	Part No.	Description
MSM800SEL	802105	Geode LX800, 500MHz, OMB RAM
<b>Accessoires</b>	<b>Part No.</b>	<b>Description</b>
MSM800CK	803035	MSM800 Cablekit
MSM800DVICON	803042	MSM800 DVI-Adapter
MSM800LVDSCON	803044	MSM800 LVDS-Adapter
MSFLOPPY	891001	3.5" Micro-Floppydrive (26 pin)
MSFDCK	802600	Microfloppy cable (26 pin)
<b>Option</b>	<b>Part No.</b>	<b>Description</b>
256MB DDR-Memory	890670	DDR-SODIMM-Module 256MB
512MB DDR-Memory	890671	DDR-SODIMM-Module 512MB
1GB DDR-Memory	890672	DDR-SODIMM-Module 1GB
Option: -L+	807006	PC/104-Plus connector long
Option: -P+	807005	PC/104-Plus connector short
Option: -CF	807008	CompactFlashSocket (without Opt. -L)
<b>Remark</b>		
1) not PnP, resolution defined in the BIOS		
2) with onboard transformator		

## Technical Data

## MSM800SEL

<b>CPU</b>	AMD Geode LX800
<b>Clock</b>	500MHz
<b>Cooling</b>	passive, without fan, no heatsink
<b>Chipset</b>	Geode CS5536
<b>Memory</b>	256 MB up to 1GByte DDR-RAM
<b>CompactFlash Slot (EIDE)</b>	Optional
<b>Harddisk - Interface</b>	1 x PATA - UDMA66, 44pin
<b>Floppy - Interface</b>	Microfloppy, 26pin
<b>Audio - Interface</b>	-
<b>COM1</b>	RS232C
<b>COM2</b>	RS232C
<b>COM3</b>	-
<b>COM4</b>	-
<b>USB V2.0</b>	4 channels
<b>LPT1</b>	IEEE1284
<b>PS/2</b>	yes
<b>Video Controller</b>	Geode LX800, UMA, max. 32MB
<b>Videopicture</b>	Identical picture on all channels
<b>LCD Display Interface</b>	18/24Bit LCD interface
<b>LCD-Resolution</b>	240 x 320 up to 1600 x 1200, 60Hz
<b>Analog VGA Interface</b>	1920 x 1440, 85Hz
<b>Videoinput</b>	-
<b>LAN-Port A 2)</b>	100/10 BASE-T Ethernet
<b>LAN-Port B</b>	-
<b>Digital I/O</b>	-
<b>Analog I/O</b>	-
<b>Crypto Accelerator</b>	128Bit AES with 44Mbps throughput
<b>MiniPCI</b>	-
<b>LED's</b>	-
<b>DC - Supply</b>	5Volt, 8Watt (typ.)
<b>Expansion Bus</b>	ISA optional PCI (max. 3cards)
<b>RTC-Battery</b>	external 3.6Volt
<b>Buzzer</b>	-
<b>Operating Temperature</b>	0°C – 60°C
<b>Extended Temperature</b>	-40°C – 85°C
<b>Dimensions</b>	90 x 96 x 19mm
<b>Weight</b>	0.08 kg
<b>Operating Systems</b>	Windows XP, QNX, Linux, etc.

Manufacturer:

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