



# MSM586SL/SEL

## Description

The MICROSPACE® MSM586SL/SEL has all of the PC standard interfaces plus 4 serial interfaces (4x RS232/422/485), ethernet LAN and DiskOnChip socket (DOC) for a solid state disk. The permanently soldered-on memory of the MSM586SL makes the embedded computer extremely robust. The PC/104 bus (ISA) is available as a functional extension. The 4W power consumption permits passive cooling within a very broad ambient temperature range.

## Applications

- \_ Control tasks
- \_ Remote controller (LAN, RS232)
- \_ Intelligent IO
- \_ Multi-serial protocol computer

## Ordering information

Option/accessories	No.	Description
Option: -R1	807331	Option COM1 as RS485/422 Halfduplex
Option: -R2	807332	Option COM2 as RS485/422 Halfduplex
Option: -R3	807333	Option COM3 as RS485/422 Halfduplex
Option: -R4	807334	Option COM4 as RS485/422 Halfduplex
MSM-CK	802605	PC/104-cable kit
MSFLOPPY	891001	3.5" Micro-Floppy drive (26pin)
MSFDCK	802600	Micro-Floppy cable (26pin)



ISA

ELAN520

133MHz

128MB

1x LAN



## Technical data

Type	MSM586SL	MSM586SEL
CPU	AMD ELAN520	AMD ELAN520
ISA-BUS	8/16-Bit	8/16-Bit
PCI-BUS	-	-
PCI Express-BUS	-	-
2 <sup>nd</sup> Level cache	-	-
Performance (MHz)	133	133
DRAM Min-Max (MB)	32-64 soldered	32-128, SODIMM
CompactFlash socket	yes (type 1)	yes (type 1)
Keyboard, mouse (PS/2)	yes	yes
Boot drive	FD, HD, DOC	FD, HD, DOC, LAN
Floppy interface	yes	yes
IDE interface P-ATA	1x	1x
IDE interface S-ATA	-	-
COM1	RS232C/RS422/485	RS232C/RS422/485
COM2	RS232C/RS422/485	RS232C/RS422/485
COM3	RS232C/RS422/485	RS232C/RS422/485
COM4	RS232C/RS422/485	RS232C/RS422/485
LPT1	yes	yes
USB (V1.1 / 2.0)	-	2x
LAN port 1 (onboard transformer)	-	10/100BASE-T
LAN port 2	-	-
Audio	-	-
Video controller	-	-
Video memory (MB)	-	-
LCD interface	-	-
DVI interface	-	-
CRT interface	-	-
Video input	-	-
Watchdog	yes	yes
Power normal	type 5V/0.7Amp.	type 5V/0.7Amp.
Power suspend	-	-
Power management	-	-
RTC battery onboard	400mAh	400mAh
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 in mm)	90 x 96	90 x 96
Weight	80 g	80 g
MTBF	>200'000h	>200'000h
Special features 1	DOC-socket 32pin	DOC-socket 32pin
Special features 2	soldered RAM	-
Special features 3	-	-
Part no.	801344 (with 32MB) / 801345 (with 64MB)	801380 (without SDRAM)

## Option/accessories

Article	Description	No.	No.
SDRAM32M-32Bit	SDRAM-Module 32MB	-	890655
SDRAM64M-32Bit	SDRAM-Module 64MB	-	890654
SDRAM128M-32Bit	SDRAM-Module 128MB	-	890656