



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)

Article	No.	Description
Option -R3	807333	COM3 as RS485 on MSM586
Option -R4	807334	COM4 as RS485 on MSM586
MSM586-CK	802605	Cablekit for MSM586
MSFLOPPY	891001	Floppydrive, 26pin, black
MSFDCK	802600	Microfloppycable 150mm
SODIMM32 32Mb-32Bit	890655	144pin,noECC, for ELAN520
SODIMM32 64Mb-32Bit	890654	144pin,noECC, for ELAN520
SODIMM32 128Mb-32Bit	890656	144pin,noECC, for ELAN520



ISA

ELAN520

133MHz

max. 128MB RAM

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 nd 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 (typ.)	5V/0.7Amp.	5V/0.7Amp.
Power suspend	-	-
Power management	-	-
RTC battery onboard (typ. 5 years)	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	110 g	110 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) <i>(not from stock) (not from stock)</i>	801380 (without SDRAM)

Manufacturer:

DIGITAL-LOGIC
smart embedded computers

DIGITAL-LOGIC | Nordstrasse 11/F | CH-4542 | Luterbach / Switzerland
Phone +41 (0)32 681 58 00 | Fax +41 (0)32 681 58 01
sales@digitallogic.com | www.digitallogic.com

Distribution: