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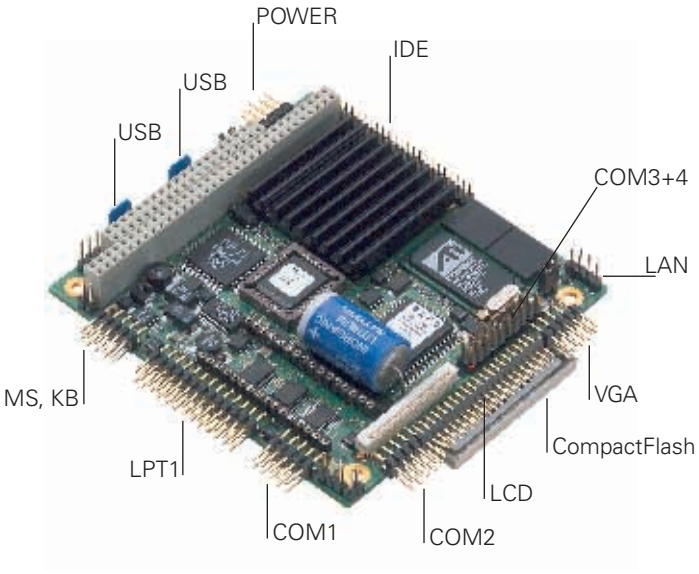
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Find the *Microspace / Digital-Logic MSM586SEN* at our website: *Click HERE*

MSM586SEN/SEG/SL
Datasheet



Beschreibung

Der MICROSPACE MSM586SL/SEN/SEG verfügt über alle üblichen Schnittstellen eines Standard-PCs sowie über viele Zusatzfunktionen wie 4 x COMs, DiskOnChip-Sockel, programmierbarer Watchdog, LAN und Compact-Flash-Halter. Einige der seriellen Interfaces sind optional als RS422/485 oder TTL lieferbar. Der nur beim MSM586SL fest aufgelötete Hauptspeicher macht das Rechnermodul unempfindlich gegen Vibrationen und Stösse. Ein richtiger «Alleskönner» in Embedded Anwendungen.

Description

The MICROSPACE PC/104 MSM586SL/SEN/SEG has all the usual interfaces provided by a standard PC and many additional features such as 4xCOMs, DiskOnChip-socket, programmable Watchdog, LAN and Compact-Flash socket. Some of the serial interfaces are optionally available as RS422/485 or TTL. The soldered SDRAM of the MSM586SL makes this computer module insensitive to vibrations and shocks. Its unique functional diversity makes this computer board a real «all-rounder» in embedded applications.

Ordering Information

Article	Part No.	Description
MSM586SN	801340	AMD ELAN520–133MHz, 0MB SDRAM, no Video, no CF, no LAN
MSM586SV	801342	AMD ELAN520–133MHz, 0MB SDRAM, Video, no CF, no LAN
MSM586SEN	801350	AMD ELAN520–133MHz, 0MB SDRAM, no Video, LAN
MSM586SEG	801370	AMD ELAN520–133MHz, 0MB SDRAM, Video (VGA), LAN
MSM586SL-32	801344	AMD ELAN520–133MHz, soldered 32MB SDRAM, no Video, no LAN, no CF
MSM586SL-64	801345	AMD ELAN520–133MHz, soldered 64MB SDRAM, no Video, no LAN, no CF
SMxxPC-DK	805025	Development-Kit without PC/104-CPU

Accessories	Part No.	Description
MSM-CK	802605	PC/104-Cable-Kit
MSFLOPPY	891001	3.5" Micro-Floppydrive (26 pin)
MSFDCK	802600	Microfloppy cable (26 pin)

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

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MICROSPACE PC/104 ELAN520

Overview







Type	MSM586SL	MSM586SEN	MSM586SEG
CPU	ELAN520	ELAN520	ELAN520
Bus-System	ISA/PCI	ISA/PCI	ISA/PCI
Expansion Interface	ISA	ISA	ISA
2nd Level Cache	-	-	-
Performance (MHz)	133	133	133
DRAM Min-Max (MB)	soldered 32/64MB	SODIMM 32-128MB SDRAM	SODIMM 32-128MB SDRAM
DiskOnChip Socket	✓	✓	✓
CompactFlash Socket	-	✓	✓
Mouse, Keyboard	✓	✓	✓
BootDrive	FD, HD, DOC	FD, HD, DOC	FD, HD, DOC
Floppy Interface	✓	✓	✓
IDE Interface P-ATA	✓ LB	✓ LB	✓ LB
COM1	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL
COM2	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL
COM3	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL
COM4	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL	RS232C / 485 / 422 / TTL
LPT1	✓	✓	✓
IrDA	external	external	external
USB (V1.1)	-	(option)	2 x
LAN	-	100/10BASE-T	100/10BASE-T
Audio	-	-	-
Video Controller	-	-	ATI M1
Video Datapath	-	-	PCI
Video Memory	-	-	8MB
LCD Interface	-	-	24 Bit TFT 3V
LCD Resolution	-	-	1280 x 1024 x 256
Video Input	-	-	-
EEPROM Support	✓	✓	✓
Watchdog	✓	✓	✓
Power Normal	5V/700mA (typ.@32MB)	5V/700mA (typ.@32MB)	5V/1400mA (typ.@32MB)
Power Suspend	-	-	-
Cooling Type	passive	passive	passive
Operating Temp.	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Extended Temp.	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Weight (gr)	80	80	100
MTBF	> 200'000h	> 200'000h	> 200'000h
Ordering Guide			
with 32 MB DRAM	MSM586SL-32	-	-
with 64 MB DRAM	MSM586SL-64	-	-
without DRAM	-	MSM586SEN	MSM586SEG
Status	for new designs	for new designs	for new designs
	Pb ab 7/2006	Pb ab 7/2006	Pb ab 7/2006

Änderungen vorbehalten / Subject to change!

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