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Find the *Microspace / Digital-Logic MSMP5SEV-266* at our website: ***Click HERE***

MICROSPACE PC/104-*Plus* Pentium® – with SODIMM-SDRAM

Overview



-> see also page 41



-> see also page 42

Type	MSMP5SEN	MSMP5SEG	MSMP3SEN	MSMP3SEG
CPU	smartCoreP5	smartCoreP5	smartCoreP3	smartCoreP3
2nd Level Cache	256kB	256kB	256kB	256kB
Performance (MHz)	166, 266	166, 266	300-700	300-700
DRAM Min-Max (MB)	SODIMM 32-256 MB SDRAM	SODIMM 32-256 MB SDRAM	SODIMM 32-256 MB SDRAM	SODIMM 32-256 MB SDRAM
Onboard Flash (MB)	0	0	0	0
DiskOnChip Socket	-	-	-	-
CompactFlash Socket	optional	optional	optional	optional
PCCard Interface	-	-	-	-
Mouse, Keyboard	✓	✓	✓	✓
BootDrive	FD, HD, CD, USB, LAN	FD, HD, CD, USB, LAN	FD, HD, CD, USB, LAN	FD, HD, CD, USB, LAN
Floppy Interface	✓	✓	✓	✓
IDE Interface	✓, PCI	✓, PCI	✓, PCI	✓, PCI
Onboard IDE-Flash	-	-	-	-
COM1	RS232C	RS232C	RS232C	RS232C
COM2	RS232C	RS232C	RS232C	RS232C
COM3	-	RS232C	-	RS232C
COM4	-	RS232C	-	RS232C
LPT1	✓	✓	✓	✓
IrDA	external	external	external	external
USB V1.1	2	2	2	2
LAN	100/10BASE-T	100/10BASE-T	100/10BASE-T	100/10BASE-T
SCSI	-	-	-	-
Audio	-	-	-	-
Video Controller	-	ATI M1	-	ATI M1
Video Datapath	-	PCI	-	PCI
Video Memory	-	8 MB	-	8 MB
LCD Interface	-	24 Bit TFT 3V	-	24 Bit TFT 3V
LCD Resolution	-	1280 x 1024 x 256	-	1280 x 1024 x 256
Video Input	-	-	-	-
EEPROM Support	✓	✓	-	✓
Watchdog	✓	✓	✓	✓
Power Normal	5V/1,7A (32 MB) (typ.)	5V/2A (32 MB) (typ.)	5V/2,2A (32 MB) (typ.@400MHz)	5V/2,5A (32 MB) (typ.@400MHz)
Power Suspend	5V/0,4A (32 MB) (typ.)	5V/0,4A (32 MB) (typ.)	5V/0,5A (32 MB) (typ.)	5V/0,5A (32 MB) (typ.)
Cooling Type	passive / active	passive / active	active	active
Operating Temp.	-25°C to +60°C	-25°C to +60°C	-25°C to +50°C	-25°C to +50°C
Extended Temp. with 166MHz	-40°C to +70°C	-40°C to +70°C	-	-
Extended Temp. with 266MHz	-40°C to +60°C	-40°C to +60°C	-	-
Extended Temp. with 300MHz	-	-	-40°C to +70°C	-40°C to +70°C
Extended Temp. with 400MHz	-	-	-40°C to +60°C	-40°C to +60°C
Extended Temp. with 700MHz	-	-	-40°C to +50°C	-40°C to +50°C
Weight (gr)	170	170	170	170
MTBF	> 200'000h	> 200'000h	> 200'000h	> 200'000h
Ordering Guide	MSMP5SEN	MSMP5SEG	MSMP3SEN	MSMP3SEG
Status	for new designs	for new designs	for new designs	for new designs
			Pb ab 7/2006	Pb ab 7/2006

Änderungen vorbehalten / Subject to change!

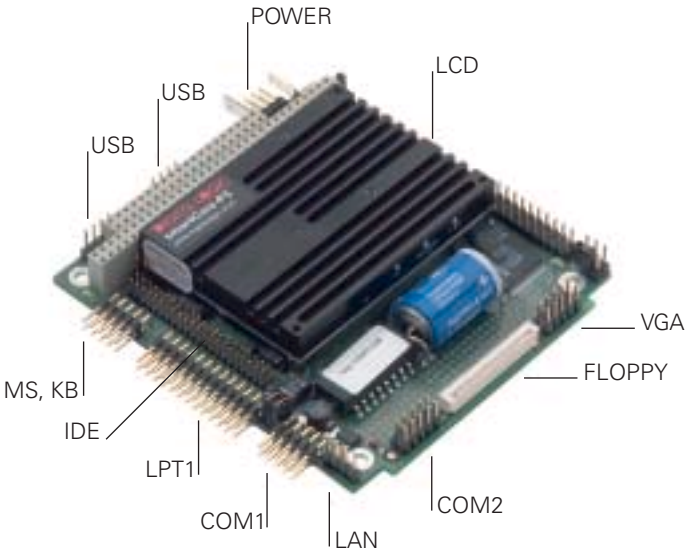
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MICROSPACE PC/104-*Plus*

MSMP5SEN/SEG – with SODIMM
Datasheet

Beschreibung
Der MICROSPACE MSMP5SEN/SEG verfügt über alle üblichen Schnittstellen eines Standard-PCs mit einem low-power Pentium® MMX Prozessor. Der Hauptspeicher lässt sich modular erweitern bis max. 256 MB. Das Betriebssystem kann zusätzlich auch via USB ab CD und FD gebootet werden. Die Powermanagementfunktionen lassen SUSPEND-to-DISK, Soft-OFF (ATX) und APM zu.

Description
The MICROSPACE PC/104 MSMP5SEN/SEG has all the usual interfaces provided by a standard PC with a low power Pentium® MMX CPU. The DRAM is expandable up to max. 256 MB. The operating system can also be booted from a CD or FD via USB. The power management functions allow Suspend-to-Disk, Soft-Off (ATX) and APM.



Technical Data

Size	PC/104 Board			
CPU	smartCoreP5			
Performance	166, 266MHz			
2L-Cache	256kB			
DRAM	SODIMM 32-256 MB			
Bootable Flash	-			
CompactFlash	(optional)			
PCCard	-			
Keyboard/Mouse	2 x PS/2			
BootDrive	FD, HD, CD, USB-CD, USB-FD, LAN			
Harddisk	44 pin IDE			
Floppy	26 pin FD			
		RS232	RS422	RS485
Serial	COM1	✓	-	-
	COM2	✓	-	-
	COM3	✓	-	opt.
	COM4	✓	-	opt.
Parallel	LPT1			
USB V1.1	✓, 2 channel			
LAN	100/10BASE-T , Intel® 82551ER			
SCSI	-			
Audio	-			
Video	ATI-M1, 8 MB			
	CRT	Standard		
	LCD	TFT/STN		
	Resolution	24 Bit		
	Level	3V		
Video Input	-			
EEPROM	1k			
Watchdog	onboard			
RTC Battery	onboard or external			
Power Management	yes, ATX, APM, ACPI, S2D			
Supply	5V			
Consumption	100mA to 1500mA (typ.)			

Ordering Information

Article	Part No.	Description
MSMP5SEN	801566	PC/104-*Plus* without smartCore-P5, 0 MB SODIMM, no Video, LAN, no PC/104-*Plus* connector assembled
MSMP5SEG	801850	PC/104-*Plus* without smartCore-P5, 0 MB SODIMM, Video, LAN, no PC/104-*Plus* connector assembled
smartCoreP5-166	805127	166MHz, Intel® Pentium® MMX
smartCoreP5-266	805126	266MHz, Intel® Pentium® MMX

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)
MSLAN-CK	802604	Ethernet Cable

Option	Part No.	Description
SDRAM32M	890645	SODIMM SDRAM-Module 32 MB
SDRAM64M	890644	SODIMM SDRAM-Module 64 MB
SDRAM128M	890646	SODIMM SDRAM-Module 128 MB
SDRAM256M	890647	SODIMM SDRAM-Module 256 MB
Option -L+	807006	PC/104-*Plus*, connector long
Option -P+	807005	PC/104-*Plus*, connector short
Option -CF	807008	CompactFlashSocket (without Option -L+)

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