➤ DIMM-PC®/520-I
DIMM-PC®/520-IU
DIMM-PC®/520-IE

original size

DIMM-PC®

READY FOR ✓ Microsoft® Windows®CE

RoHS compliant
2002/95/EC

➤ Full PC functionality at the size of a business card

➤ No active cooling required

➤ Comes along with all common PC interfaces

➤ Extreme compact size (40 x 67 x 6 mm)

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➤ Product Overview

The DIMM-PC®/520-I is an extremely compact PC module to be plugged on to customized base boards. The new DIMM-PC®/520-I, based on AMD® Elan™ SC520 133 MHz, features high performance with an integrated floating point unit, up to 32 MByte DRAM and 32 MByte IDE compatible Flash. Due to the extreme low power design no active cooling is required. The integrated high functionality of a x86 CPU Module comes along with all common PC interfaces (2xserial TTL, Printer, Keyboard, Floppy).

The DIMM-PC® is widely used where stable performance is required but space and power consumption is limited. The new DIMM-PC®/520-IU offers one USB 1.1 port to adress modern expansion devices. Ethernet is available at 10/100 Mbit performance with the DIMM-PC®/520-IE version. With a DIMM-PC® it's easy to substitute microcontroller applications with a flexible low cost PC based solution.

...always a Jump ahead!

➤ Technical Information

Processor	
	AMD® Elan™ SC520 133MHz
DRAM	
	up to 32 MByte on board
Cache	
	16 kByte Write-Back L1
IDE compatible Flash Disk	
	up to 32 MByte on board
USB	
	optional 1x USB 1.1 OHCI
Ethernet	
	optional 10/100 MBit Ethernet
Serial ports	
	2x TTL (16550 compatible)
Floppy Interface	
	single drive
IDE Hard Disk Interrface	
	on external device
Real Time Clock	
	integrated with chipset
Keyboard Controller	
	integrated with chipset

Other Features	
	Watchdog, JIDA Support, I²C Bus, Preinstalled DR-DOS, Programmable/CS Output, Support for alphanumerical displays
EEPROM	
	for CMOS Setup
Power Supply	
	5V
One Parallel Port	
	LPT1, EPP support
JRC	
	remote control via COM
Power Consumption	
	2 Watt @ 5V only
Dimensions	
	68 x 40 mm (2.7 x 1.6")
Temperature (*)	
	operation: 0° to 65°C, storage: -10° to 85°C
Humidity	
	operation: 10% to 90%, storage: 5% to 95%, (non condensing)

(*) see manual for details

➤ Ordering Information

Article	Part.-No.	Description
DIMM-PC®/520-I	08012-1616-13-0	16 MByte DRAM, 16 MByte IDE compatible Flash Disk
DIMM-PC®/520-I	08012-3232-13-0	32 MByte DRAM, 32 MByte IDE compatible Flash Disk
DIMM-PC®/520-I	08012-3200-13-0	32 MByte DRAM, no IDE compatible Flash Disk
DIMM-PC®/520-IU	08012-3232-13-2	32 MByte DRAM, 32 MByte IDE compatible Flash Disk, USB controller
DIMM-PC®/520-IE	08012-3232-13-1	32 MByte DRAM, 32 MByte IDE compatible Flash Disk, 10/100 Mbit Ethernet
DIMM-PC®KIT3	08005-0000-03-5	Starter Kit for DIMM-PC® with PC/104 interface (without DIMM-PC®)
DIMM-PC®/VGA2	08014-0000-00-0	VGA controller for CRT and LCD flatpanel
DIMM-PC®/ETH+COM	08006-0000-04-0	Ethernetcontroller & two serial interfaces
DIMM-PC®/COMBO2 3.3 V	08014-0000-01-2	VGA, Ethernet and two serial interfaces, 3.3 V version
DIMM-PC®/Socket-CPU	SPCDIMM	Socket for DIMM-PC®, 144 Pin (90 pcs. packed)
DIMM-PC®/Socket-I/O	SIODIMM	Socket for DIMM-PC® I/O module 144 Pin (90 pcs. packed)

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