

➤ **DIMM-PC<sup>®</sup>/520-I**  
**DIMM-PC<sup>®</sup>/520-IU**  
**DIMM-PC<sup>®</sup>/520-IE**



original size

**DIMM-PC<sup>®</sup>**



- 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)

## ➤ 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 address 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.

## ➤ Technical Information

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

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

(\*) Ask about wider temperature ranges

## ➤ 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®/COMB02 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 (80 pcs. packed)
DIMM-PC®/Socket-I/O	SIODIMM	Socket for DIMM-PC® I/O module 144 Pin (200 pcs. packed)

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