

➤ **DIMM-PC[®]/520-I**
DIMM-PC[®]/520-IU
DIMM-PC[®]/520-IE



original size

DIMM-PC[®]



- 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.

...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 Interface | 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®/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 (90 pcs. packed) |
| DIMM-PC®/Socket-I/O | SIODIMM | Socket for DIMM-PC® I/O module 144 Pin (90 pcs. packed) |

➤ Corporate Offices

Europe, Middle East & Africa

Kontron AG
Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
sales@kontron.com

North America

Kontron America Corporate Office
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
sales@us.kontron.com

Asia Pacific

Kontron Asia Inc.
4F, No. 415, Ti-Ding Blvd.
Sec.2, NeiHu District
Taipei Taiwan 114
Tel.: +886-2-2799-2789
Fax: +886-2-2799-7399
sales@kontron.com.tw

Kontron Embedded Modules

Brunnwiesenstr. 16
94469 Deggendorf
Germany
Tel.: +49 (0)991/ 370 24-100
Fax: +49 (0)991/ 370 24-333
sales@kontron.com