

## Technical Data

### VGA LCD part

VGA Graphics for CRT and flat displays  
 LCD resolutions  
 320 x 240 @ 24 bit  
 640 x 480 @ 24 bit  
 800 x 600 @ 16 bit  
 CRT resolutions  
 320 x 240 @ 24 bit  
 640 x 480 @ 24 bit  
 800 x 600 @ 16 bit  
 1024 x 768 @ 8 bit  
 1 MByte video memory  
 supports LCD, TFT and STN flat panel displays (color or monochrome)  
 graphic accelerator function such as hardware cursor, color expansion  
 simultaneous operation of display and CRT-monitor possible  
 supports ¼ VGA-displays (320 x 240) by character compression

### Power requirements:

5 Volt only power supply  
 low power CMOS

### Dimensions:

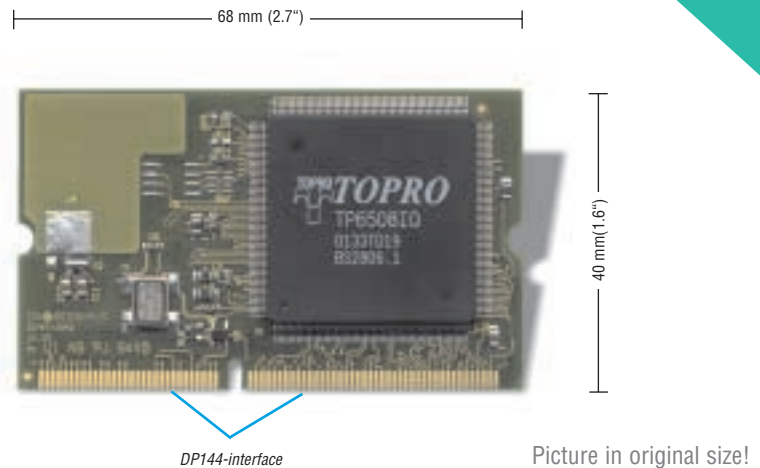
68x40 mm (2.7x1.6")

### Temperature:

operation: 0° to 65°C  
 storage: -10° to 85°C

### Max. humidity:

operation: 10% to 90%  
 storage: 5% to 95%  
 (non condensing)



## Description

The **DIMM-PC/VGA2** is an add-on module for the **JUMPTec® DIMM-PC®** series.

The **VGA LCD** parts highly integrated VGA controller can directly drive monochrome, passive color (STN) and TFT displays. The connected display is automatically recognized via cable configuration and the timing is correspondingly adjusted - plug and play. Resolutions on CRT go up to 1024x768, however on LCD maximum resolution is limited to 800x600. A high graphic-performance is achieved by means of special features such as hardware cursor, color expansion, 32 Bit

memory and 16 bit I/O access. 1 MByte graphic memory and a 128 kByte PROM holding the VGA-BIOS are onboard.

The **DIMM-PC/VGA2** is designed for a 144pin DIMM-connector known from notebooks as memory socket. Note that this connector is different to the used for the DIMM-PC/CPU itself. The pinout of DIMM-PC/CPU and **DIMM-PC/VGA2** are well considered, so an easy and short routing on the customers design is possible (a direct pin to pin connection).

## Ordering Information

Article	Part.-No.	Description
DIMM-PC/VGA2	08014-0000-00-0	VGA controller for CRT and LCD flatpanels

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