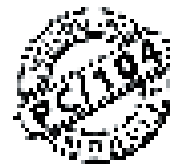
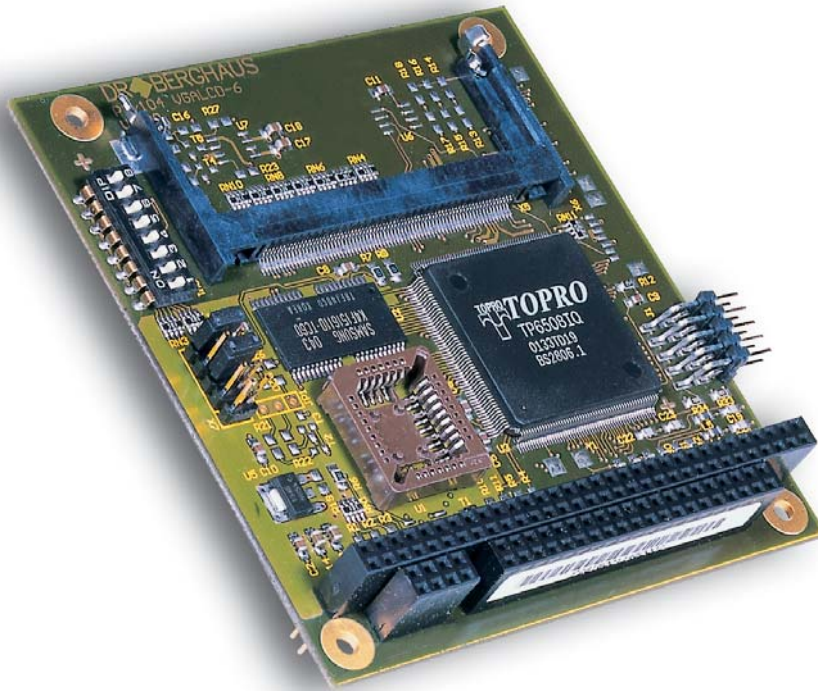


# ➤ PC/104-VGALCD-6



## ➤ PC/104 Flatpanel Controller

- Supports TFT- and STN Flatpanels
- Auto detection of flatpanel via JIPA Interface
- Including Windows tool for panelfile generation

## ► Product Overview

The PC/104-VGALCD-6 is a highly integrated VGA- controller card. This board can drive monochrome, passive color (STN) and TFT displays. The connected display is automatically recognized via the JIPA cable. Also the timing is correspondingly adjusted, power sequencing and backlight support is included, plug and play. A high graphic performance (especially with WINDOWS®) is achieved. The small size of the components insures both a minimal susceptibility to technical interference and a very good price/efficiency ratio. Resolutions up to 800 x 600 are possible. The Graphic memory is 1 MByte.

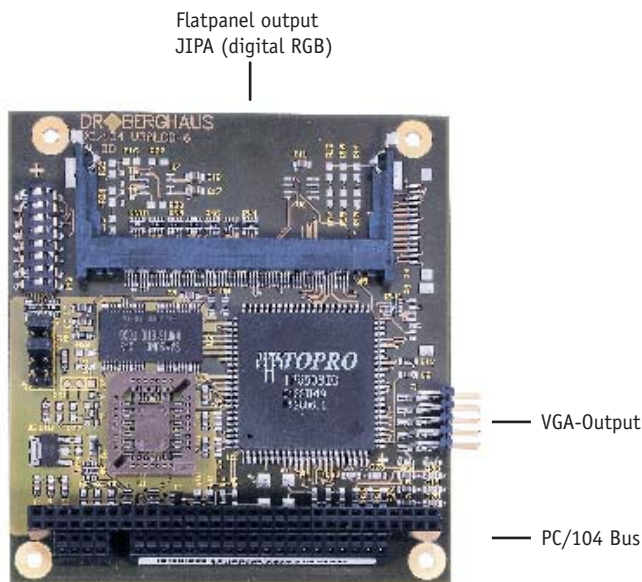
The PC/104-VGALCD-6 offers some useful extensions compared with other peripheral modules, which will be described in the following:

Support for LC-Displays:

Monochrome and Color STN, TFT or EL Display panels may be connected to the PC/104-VGALCD-6. The complete display mode selection and configuration is supported by the video BIOS. Additionally, display mode selection (CRT only, panel only or SimulScan) can be controlled by the panel editor.

Easy configuration:

Configuration and timing data for the different types of flatpanels described above can easily be changed by using a software tool. Other settings may be made by your own software via well documented BIOS calls. The software is available on the website.



## ► Technical Data

- **VGA-Graphics for flat panel and CRT**
- **LCD-Resolution**
  - 640 x 480 up to 16 Mio. colors
  - 800 x 600 up to 64k colors
- **1 MByte Graphic memory**
- **Supports TFT- and STN flat panel (color or monochrome)**
- **Graphic accelerator function, such as hardware cursor, color expansion (WIN 9.x)**
- **Graphic controller Topro TP 65081Q**
- **Simultaneous operation of display and CRT-monitor possible.**
- **flat panel interface JIPA for TTL flat panels**
- **Dimension: 96x90 mm (3.8x3.6")**
- **Standard PC/104-Bus**
- **Power consumption: 5 V, 300 mA typ.**
- **Low power CMOS Technology**
- **Temperature:**
  - operation: 0° to 55°C
  - storage: -10° to 85°C
- **Humidity:**
  - operation: 10% to 90%
  - storage: 5% to 95% (non condensing)

Article	Part.-No.	Description
PC/104-VGALCD-6	18001	PC/104 VGA-Board with Flatpanel connector JIPA

### Corporate Offices

#### US/Canada

6260 Sequence Drive  
San Diego, CA 92121-4371  
Tel.: +1 (0) 88 82 94 45 58  
Fax: +1 (0) 88 86 77 08 98  
sales@us.kontron.com

#### Europe, Middle East and Africa

Oskar-von-Miller-Straße 1  
85386 Eching/Munich Germany  
Tel.: +49 (0) 8165 770  
Fax: +49 (0) 8165 77 219  
sales@kontron.com

#### Asia Pacific

6F, No. 9, Lane 235, Pao-Ciao Rd.,  
Hsin-Tien, Taipei Hsien, 231 Taiwan  
Tel.: +88 62 29 10 35 32  
Fax: +88 62 29 10 35 82  
sales@kontron-asia.com

#### Kontron Hamburg GmbH & Co. KG

Marschnerstieg 7  
22081 Hamburg  
Tel.: +49 (0) 40 20 00 90-0  
Tel.: +49 (0) 40 20 00 90-10  
sales-graphic@kontron.com

Our worldwide sales representatives and partners can be found on our website – [www.kontron.com](http://www.kontron.com).

If it's embedded it's Kontron