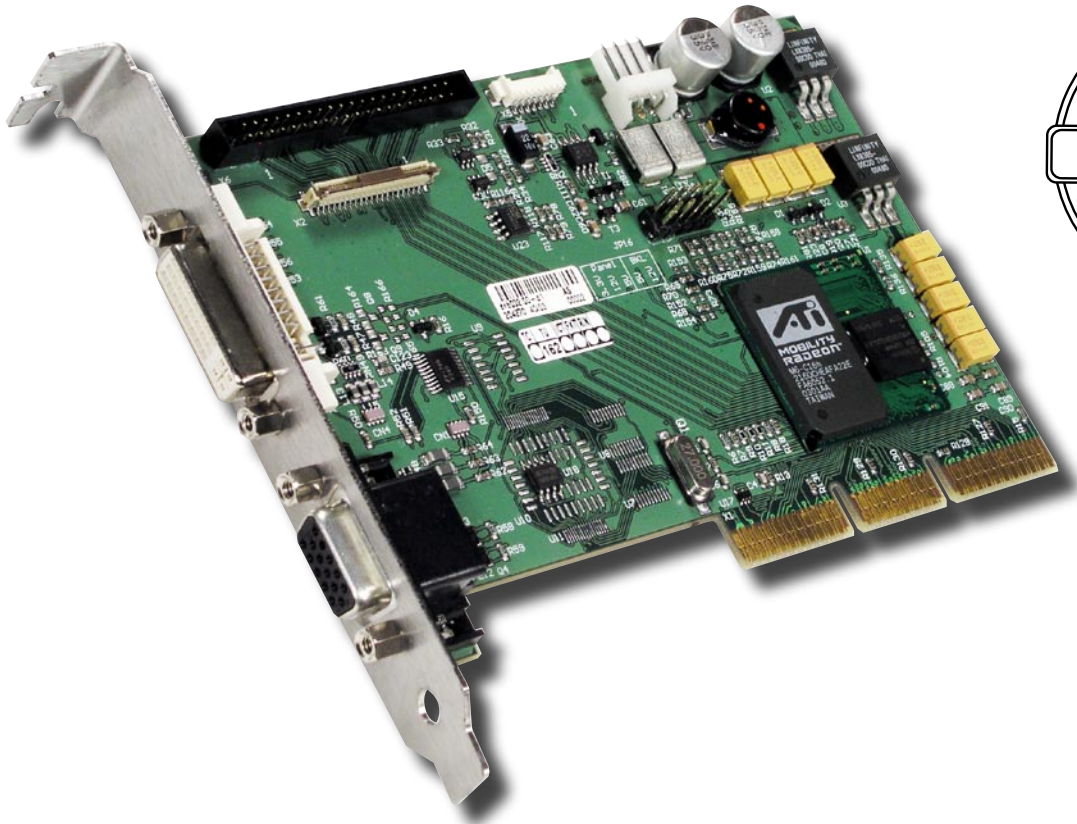


➤ dFLAT-AGP-1

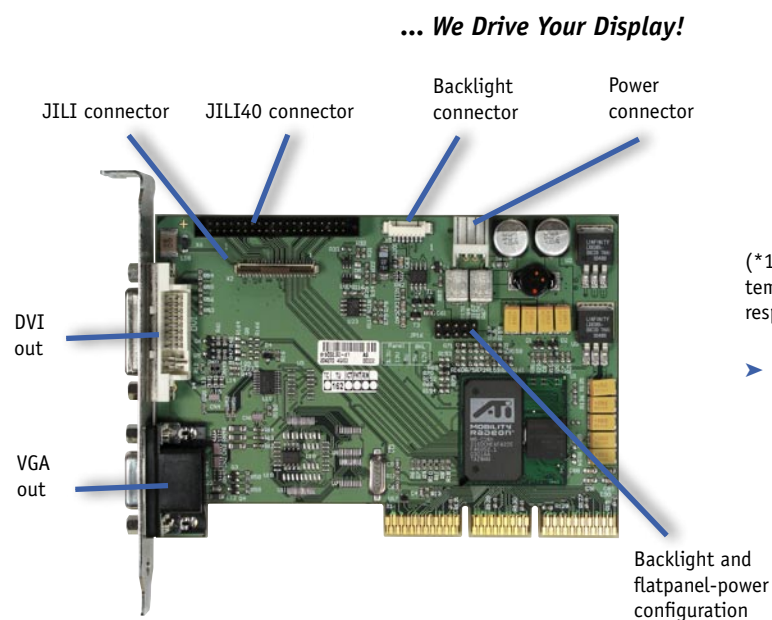


- VGA/LCD-Controller: ATI Radeon Mobility M6/M7/M9
- 16/32/64 MB DDR video ram
- Comprehensive AGP support, including 2X and 4X mode
- 2D/3D graphics accelerator
- Resolution up to UXGA
- Integrated dual channel LVDS interface
- DVI & analog RGB output
- Powerful drivers for Win95, WIN98, NT4.0, WIN2000, WinCE, WinXP, WinME, LINUX

➤ Product Overview

dFLAT-AGP-1

- Supports TFT flat panels
- Simultaneous operation of display and CRT
- Dual LVDS output
- 2D/3D-Hardware graphics acceleration capabilities with MPEG-2 and DVD hardware decoder
- AGP 2.0 (4x) (1.5V, 3.3V)
- Internal flat panel support (JILI/ JILI40)
- DVI & VGA-output
- 16/32/64 MB DDR video ram
- Resolutions from 640x480 up to 1600x1280 (UXGA) with true color (16,7 M)
- JILI & JILI40 Interface



➤ Technical Data

➤ Electrical Specifications:

- Supply voltage:
 - +3.3V DC +/- 5%
 - +5.0V DC +/- 5%
 - (+12V for Backlight if necessary)
- Supply voltage principle:
 - 100 mV peak to peak 0 - 20 MHz
- VGA connector signals:
 - RGB output voltage
 - 0 - 0.755 V with 75 Ohm external termination
 - RGB output current
 - 0 - 20.14 mA

➤ Environmental Specifications:

- Temperature
 - operating: 0 °C to 60 °C (see note (*1))
 - storage temperature: -40 °C to 85 °C
- Thermal gradient
 - operating: 25 °C per hour
 - non-operating: 40 °C per hour
- Relative Humidity
 - operating: 5 % - 90 % RH non-condensing
 - non-operating: 0 % - 95 % RH non-condensing
- Mechanical
 - shock: 50G/20ms square wave maximum
 - vibration: 1 G/0-600Hz. dwell not to exceed

(*1) The maximum operating temperature is the maximum measurable temperature on any spot on the modules surface. It is the users responsibility to keep this temperature within the above specification.

➤ Typical Applications:

e.g. industrial motherboards for gamingsystems with 2D/3D-HW-acceleration and MPEG2 hardware playback or multimedia devices.

Ordering Information	Part.-No.	Description
dFLAT-AGP-1 16MB	22151	digital AGP Flatpanel Graphic Controller (ATI M6 Controller, 16 MB Video RAM)
dFLAT-AGP-1 32MB	22152	digital AGP Flatpanel Graphic Controller (ATI M7 Controller, 32 MB Video RAM)
dFLAT-AGP-1 64MB	22153	digital AGP Flatpanel Graphic Controller (ATI M9 Controller, 64 MB Video RAM)

Corporate Offices

Europe, Middle East & Africa
Marschnerstieg 7
22081 Hamburg - Germany

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Asia Pacific
5F-1, 341, Sec 4, Chung Hsiao E.
Rd, Taipei, Taiwan

Tel.: +49 (40) 200090- 0
Fax: +49 (40) 200090- 10
www.kontron-hh.de
sales-graphic@kontron.com

Tel.: (858) 677-0877
Fax: (858) 677-0898
sales@us.kontron.com

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379
sales@kontron.com.tw

