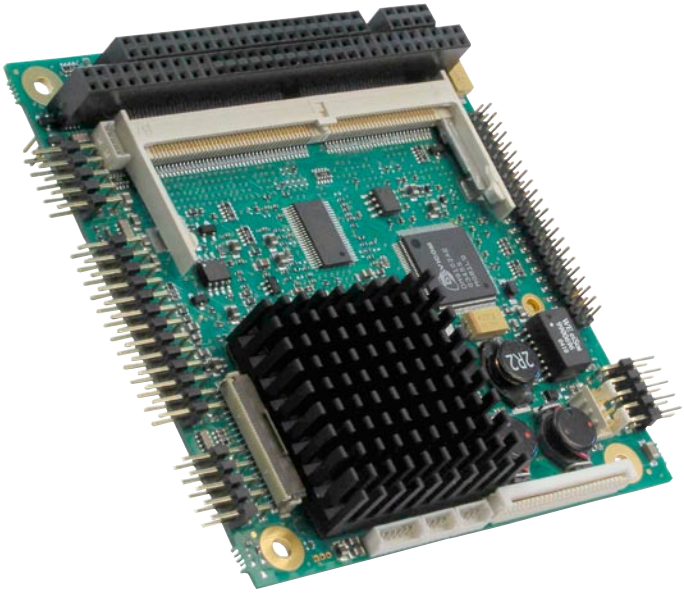
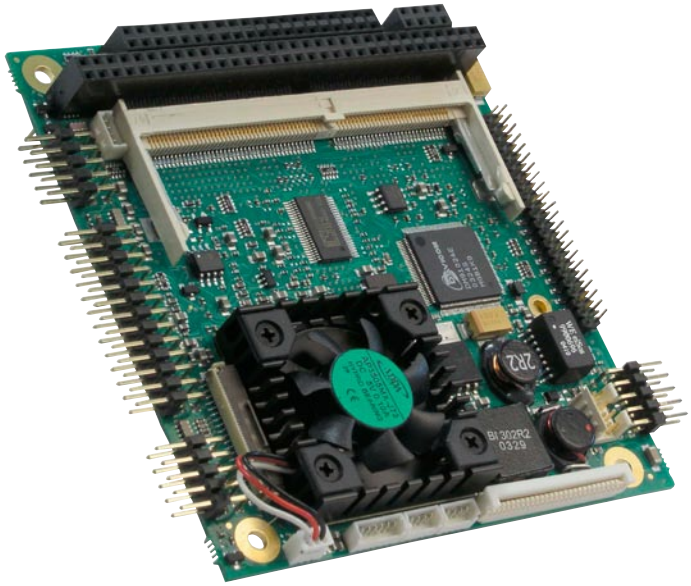
MOPS*lcd*VE





VIA Eden Embedded System Platform

- VIA Eden™ family from 300 to 1000 MHz
- classic PC/104
- onboard Graphics and Communication
- Best price / performance ratio

kontron

Product Overview

MOPSlcdVE with the new VIA Eden™ processor. Equipped with the low power consuming but performing VIA Eden™ prozessors @ 300MHz (fanless) or even with 1.0 GHz. The 66/133MHz FSB enhance the boards performance.
Up to 512 MByte SDRAM-SODIMM are mountable via standard SDRAM-SODIMM socket.
The VIA Twister™T on-chip grafic features besides S3 Savage 4 engine, up to 32 MByte VRAM (UMA) as well as the JILI-Interface for instant LCD-Panel Adaptation.

The board comes complete 2 x USB, 2 x COM, LPT, FDD, EIDE, Keyboard and PS/2.
All MOPS PC/104 boards are Plug&Work compatible, which considerably reduces the time to market.
All MOPS PC/104 provide the same pinout for keyboard,COM1 and COM2,44pin IDE, 2xUSB, LPT as well as LAN. This is the common MOPS-family feature,which easens the upgradeability enormously within the Kontron MOPS PC/104-products.

Technical Information

- **Full PC/104 compliant Industry Standard**
- **CPU:**
  - VIA Eden™ 300 MHz (Fanless), 66MHz FSB
  - VIA Eden™ 1.0 GHz (Fan), 133MHz FSB
- **Chipset:** VIA TwisterT
- **SDRAM:** SODIMM socket for up to 512 Mbyte
- **Graphic:** S3 Savage 4 engine on-chip, JILI
- **VRAM:** up to 32 MB VRAM UMA
- **Panel / CRT** ✓ / ✓
- **10/100 BaseT Ethernet** ✓
- **USB** **2x,** with Legacy support
- **EIDE interface** ✓
- **Floppy Interface** ✓
- **Printer Interface** ✓
- **Keyboard/Mouse Controller** ✓ / ✓
- **RS232C** **2x**
- **LANBoot** ✓
- **DarkBoot** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **Dimensions:** 96x90 mm, (3.8 x 3.6")
- **Power supply:** 5V only
- **Plug'n Play compatible to all other MOPS and therefore exchangeable**
- **Temperature (*):**
  - Operation: please see Manual
  - Storage: -10° to 85°C
- **Max. humidity:**
  - Operation: 10% to 90%
  - Storage: 5% to 95% (non condensing)

(*) Ask about wider temperature ranges

Ordering Information

Article	Part.-No.	Description
MOPS*lcd*VE	01032-0000-30-1	VIA Eden™ processor with 300MHz, passive cooling
MOPS*lcd*VE	01032-0000-10-1	VIA Eden™ processor with 1000MHz, active cooling
	common features	VIA Twister™T chipset, VGA/LCD on-chip with up to 32 MB VRAM UMA, JILI (LVDS) Interface, one SODIMM-SDRAM-socket for up to 512 MB, 2xRS232C, LPT, FDC, EIDE, Kb/mouse, 2xUSB and 10/100 Base-T Ethernet.

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

#MOPSlcdVEE22012008P0L
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners. DIMM-PC® and JUMPtec® are registered trademarks of Kontron Embedded Modules GmbH, Germany.