MOPS*lcd*VE

VIA Eden Platform
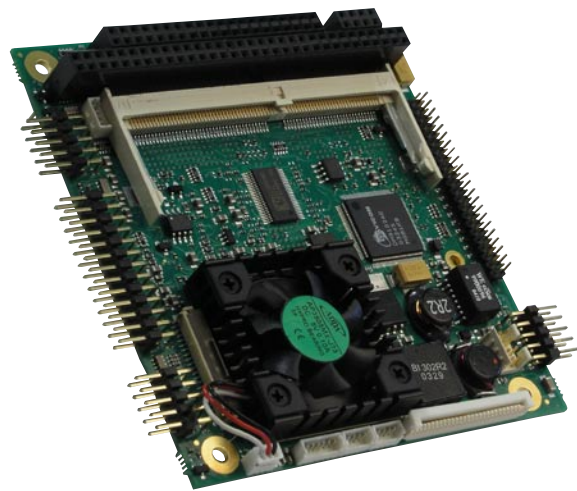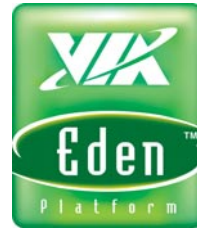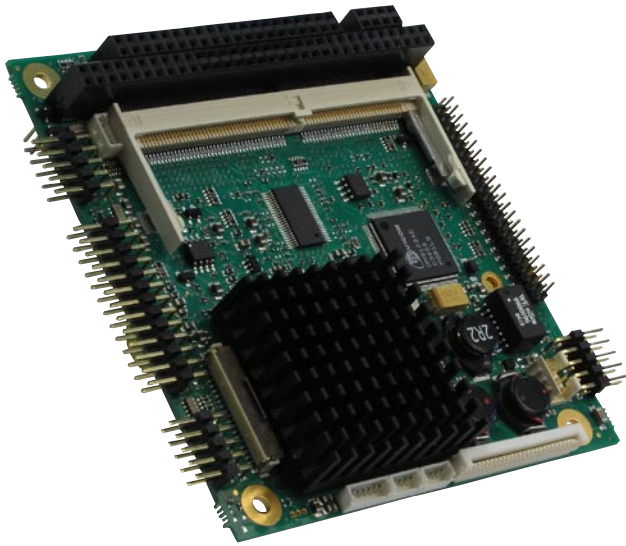
PC/104 EMBEDDED-PC MODULES

VIA Eden Embedded System Platform

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

Product Overview

MOPSlcdVE with the new VIA Eden™ processor. Equipped with the low power consuming but performing VIA Eden™ prozessors @ 300MHz (fanless) or 600MHz (fan) 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.

With Kontron You stay...always a Jump ahead!

Technical Data

- ➤ **Full PC/104 compliant Industry Standard**
- ➤ **CPU:**
  - ➤ VIA Eden™ 300 MHz (Fanless), 66MHz FSB
  - ➤ VIA Eden™ 600 MHz (Fan), 133MHz 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)

Article	Part.-No.	Description
MOPSlcdVE	01032-0000-30-1	VIA Eden™ processor with 300MHz, passive cooling
MOPSlcdVE	01032-0000-60-1	VIA Eden™ processor with 600MHz, active cooling
MOPSlcdVE	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.

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