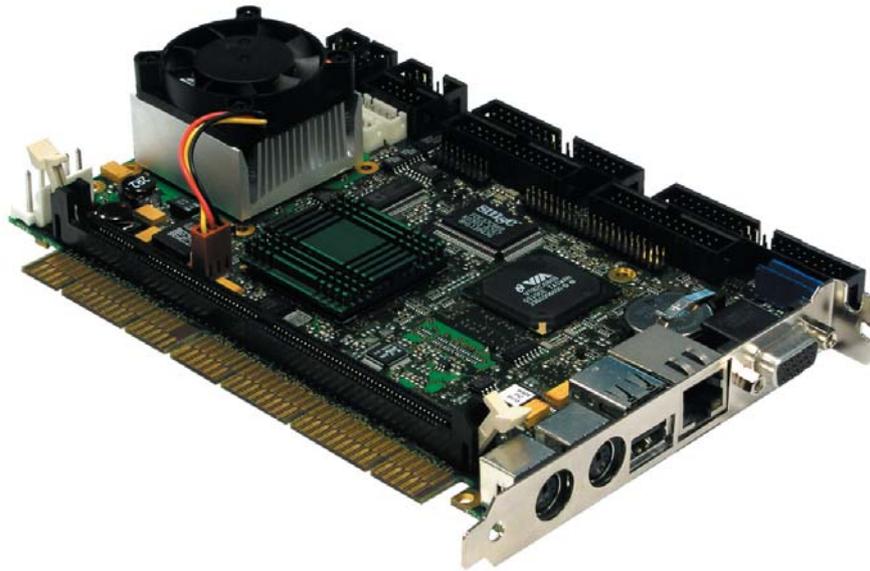




COOL/MONSTER/VC



VIA Eden Embedded System Platform

- ▶ **All-In-One half Size VIA C3™ 1.0 GHz PISA® Slot-CPU**
- ▶ PadLock™ Data Encryption engine - for highest embedded data security
- ▶ S3 Savage4™ Graphic engine
- ▶ Visualisation and Communication
- ▶ Up to 1 GByte SDRAM, 32 MB VRAM, 4xCOM, Sound, USB, LAN

If it's Embedded, it's Kontron.



➤ Product Overview

The coolMONSTER/VC is an „all in one“ Fanless VIA C3™ based slot PC with consistent low power design. Despite the very compact half size format it's possible to integrate the PISA® (PISA®=PCI+ISA) bus and a full featured set of interfaces.

Beside all standard interfaces (four serial ports, one as RS32 or RS485, EPP/ECP parallel port, floppy EIDE, USB and IRDA port) a AC'97 compatible Stereo audio CODEC and a high speed video controller (S3 Savage 4) is available. Flatpanel displays with highest resolutions can be connected via the dual LVDS easily. Up to 32 MByte of video memory are already on chip at the graphic controller. Two EIDE ports, one with 40-pin connector, the other

with 44-pin 2 mm connector, are available to support various mass storage devices. The Kontron chipDISK, a IDE compatible flash disk up to 256 MByte, can be attached and mechanically fixed, directly to this connector.

Additionally the coolMONSTER is equipped with a switchable Ethernet 10/100Base-T interface (Twisted Pair).

For highest reliability an intelligent watchdog timer is integrated and fanless use enhances system reliability.

coolMONSTER/VC

...always a JUMP ahead!

➤ Technical Information

Processor	VIA C3™ 1.0 GHz, fan, 133 MHz FSB
Chipset	VIA TwisterT: PadLock™ Data Encryption Engine S3 Savage4 Graphics Engine
DRAM	up to 1 GByte SDRAM-DIMM
Sound	AC'97 compatible Stereo audio CODEC, Line in, Line out stereo, Mic in mono, 3D audio effects
Video Controller	S3 Savage4, up to 32 MByte VRAM UMA
LCD/CRT	Yes/Yes
LCD	LVDS interface (JILI)
Serial Interfaces	4x RS232 (16 Byte FIFO), one switchable to RS485

Ethernet	10/100Base-T TwistedPair RJ45, Davicom 9102A
IRDA interface	Sharp-IR and IRDA SIR
Harddisk	EIDE interface UDMA-100
Other features	USB, Floppy, Parallel port (EPP/ECP, bi-directional), Mouse, Keyboard
Dimensions	175 x 125 mm (6,9 x 4,9")
Power Consumption	C3 1.0GHz: approx. 19,7 Watt (at 512 MByte SDRAM, 48 MByte IDE FLash, DOS PROMPT)
Temperature (*)	operation: 0° to 60 °C, storage: -10° to 85 °C
Humidity	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) see manual for details

➤ Ordering Information

Article	Part.-No.	Description
CMP/VC-1000	07028-0000-10-1	VIA C3 1.0 GHz
	common features	TwisterT™ chipset for CRT/LCD, 32MByte VRAM, 4xCOM, USB, Sound, LAN, LPT, Keyboard, Mouse, SDRAM-DIMM

➤ Corporate Offices

Europe, Middle East & Africa
Brunnwiesenstr. 16
94469 Deggendorf - Germany

Tel.: +49 (0)991/ 370 24-100
Fax: +49 (0)991/ 370 24-102

sales-kem@kontron.com

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

Tel.: (858) 677-0877
Fax: (858) 677-0898

sales@us.kontron.com

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

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379

sales@kontron.com.tw