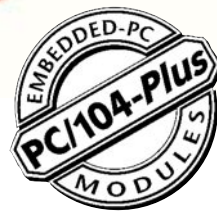


# ▶ speedMOPS<sub>lcd</sub>CE



Intel®  
Communications  
Alliance  
Associate Member  
SILVER

- ▶ low power saving Ultra Low Voltage Celeron (Tualatin Core)
- ▶ 400, 733 or up to 1.0GHz
- ▶ PC/104plus-Bus Compliant, use with COTS PC/104plus IO
- ▶ onboard Graphics and LAN, USB 2.0
- ▶ Take your application to the performance next level

# Product Overview

A breathtaking high performing PC/104plus-Bus-Compliant module with Intel® ULV Celeron® (Tualatin Core) with 400, 733 or even 1000 MHz. The speedMOPScdCE runs with a highly integrated Intel® 815 chipset and ICH4 southbridge. This allows to use SDRAM-SODIMM up to 512 MByte and provides USB 2.0. The graphic engine is the Intel Graphics Technology engine with 4MB VRAM UMA for CRT & LCD. Special features are PC/104+ (PCI) and the JILI-Interface for instant Panel adaption. The board comes complete 2 x USB, 2 x COM, LPT, FDD, EIDE, Keyboard, Sound and PS/2.

The speedMOPScdCE is a new concept that enhances PC/104. The processor is pragmatically located outside of the typical PC/104 „sandwich“ footprint that is formed when two or more PC/104 boards are attached, thus facilitating optimal cooling of high-performance CPU boards. The new form factor supports all current and forthcoming PC/104 I/O expansion modules. Since speedMOPS CPU boards fit into traditional 3.5-inch housings, the cost of enclosures is kept to a minimum. speedMOPS CPU boards provide OEMs and end users with an effectively cooled high-performance (greater than Intel® Pentium® III) solution for attachment to PC/104 expansion modules. The boards also guarantee the long-term validity of the PC/104 I/O specification, which includes the ISA bus. Kontron is also pleading for the PC/104 specification to be extended for CPU boards, since speedMOPS has a slightly larger form factor that benefits only high-performance PC/104 designs.

All speedMOPS PC/104 boards are Plug&Work compatible, which considerably reduces the time to market. All speedMOPS 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 eases the upgradeability enormously within the Kontron MOPS PC/104-products.

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

# Technical Data

- **Full PC/104plus Bus compliant Industry Standard**
  - PC/104 ISA & PC/104plus PCI
- **CPU:** Intel® ULV Celeron 400/733/1000 MHz (fan)
- **Chipset:** Intel® 815, ICH4
- **SDRAM:** SODIMM socket for up to 512 Mbyte
- **On-chip Graphics Intel® Graphic Technology, JILI interface**
- **On-chip Graphics:** Intel Extreme Graphic 2 engine
- **VRAM up to 4 MB** **VRAM UMA**
- **Panel / CRT** ✓ / ✓
- **10/100 BaseT Ethernet** ✓
- **USB 2.0** 2x
- **Sound** ✓
- **EIDE interface** ✓
- **Floppy Interface** ✓
- **Printer Interface** ✓
- **Keyboard/Mouse Controller** ✓ / ✓
- **RS232C** 2x
- **LANBoot** ✓
- **DarkBoot** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **Dimensions:** **96x147 mm**
- **Power supply:** **5V only**
- **Plug'n Play compatible to another speedMOPS and therefore exchangeable**
- **Temperature:**
  - Operation: 0° to 60° C
  - Storage: -10° to 85° C
- **Max. humidity:**
  - Operation: 10% to 90%
  - Storage: 5% to 95%  
(non condensing)

Article	Part.-No.	Description
speedMOPScdCE	01040-0000-40-1	Ultra Low Voltage Intel® Celeron® 400MHz, one SODIMM-socket for SDRAM, High Speed Video on-chip for CRT and LCD-Panels, 2xRS232C, 2xUSB 2.0, LPT, FDC, IDE, Sound, fan, with 10/100Ethernet (10/100 MBit) and PC/104+Bus.
speedMOPScdCE	01040-0000-70-1	Ultra Low Voltage Intel® Celeron® 733MHz, one SODIMM-socket for SDRAM, High Speed Video on-chip for CRT and LCD-Panels, 2xRS232C, 2xUSB 2.0, LPT, FDC, IDE, Sound, fan, with 10/100Ethernet (10/100 MBit) and PC/104+Bus.
speedMOPScdCE	01040-0000-10-1	Ultra Low Voltage Intel® Celeron® 1.0GHz, one SODIMM-socket for SDRAM, High Speed Video on-chip for CRT and LCD-Panels, 2xRS232C, 2xUSB 2.0, LPT, FDC, IDE, Sound, fan, with 10/100Ethernet (10/100 MBit) and PC/104+Bus.

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