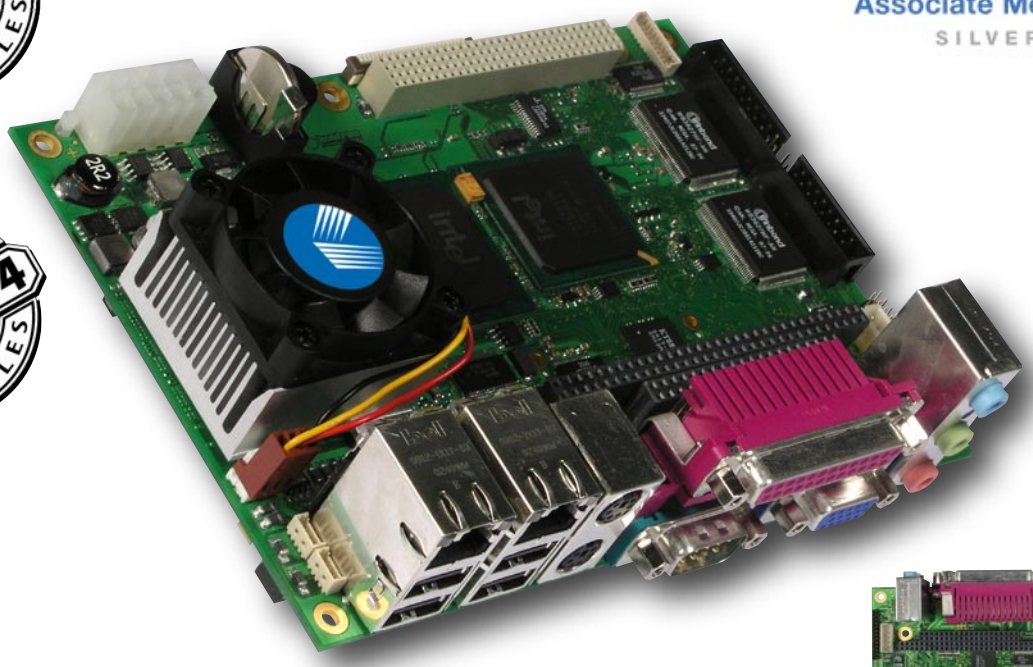
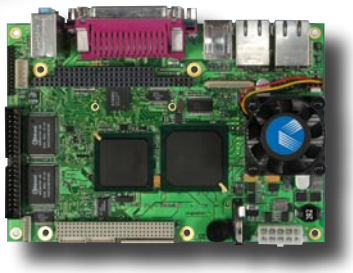
EPIC/CE

Intel® Communications Alliance
Associate Member
SILVER





- Intel® ULV Celeron® 400 or LV Celeron® 733MHZ, 815 chipset
- PC/104 and PC/104plus expansion
- DUAL Ethernet
- 6x USB 2.0
- 4x COM, 21x GPIO
- 2x 24bit LVDS & DVO
- On-chip Graphics & Sound

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Product Overview

The advantage of EPIC/CE is the combination of full PC/104 compliant IO expansion capacity with motherboard style frontside feature access. That way the CPU board itself, underneath the added IO, arrives with almost all front plate accessable functionality – avoiding cable handling & cable cost.

Each EPIC is a member of the EPIC board family.

EPIC modules from Kontron are characterized by the same pinout and interface for PC/104 & PC/104plus, 4xUSB, DUAL LAN, Keyboard/Mouse-socket, Compact-Flash ™, CRT, LPT, Sound and COM1. This family feature allows to re-use chassis and maximizes design re-use.

This EPIC/CE hosts an Intel® ULV/LV Celeron® processor at 400/733 MHz. A SDRAM-SO-DIMM socket for up to 512 MByte allows the use of standard notebook memory and ATX power supply (or 5V only) is as well a standard feature. These homogeneous features facilitate easy upgrades within the EPIC product family.

The graphic controller is included in the chipset, that performs with up to 12 MByte UMA. Connection of displays is simplified when using these units which are complete with a JILI-Interface (JUMPtec ® Intelligent LVDS Interface).

JILI automatically recognizes which display is connected and independently sets all video parameters.

All JRex are plug-and-work enabled to further reduce time-to-market.

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Technical Information

- **EPIC sized Single Board Computer**
- **Processor:** Intel® ULV Celeron®, 400 MHz passive
LV Celeron® 733 MHz, active cooling
- **Chipset:** Intel® 815, ICH4
- **On-chip Graphics:** Intel® Graphics engine,
up to 12 MByte UMA VRAM
2x 24 Bit LVDS
- **Graphic interfaces** DVO, CRT and LCD (JILI)
- **RAM** **1x** SDRAM-SODIMM
- **COM** **4x** (1x RS232 DSUB, 3x RS232
with 1 x as RS422/485 internal)
- **GPIO** **21x** (2mm DIN pins internal)
- **USB 2.0** **6x** (4x ext. overcurr. prot., 2x int.)
- **Ethernet** **2x 10/100 BaseT**
- **Extensions** PC/104 (ISA) &
PC/104plus (PCI)
- **Sound** Jack-plugs (Line In/Out/Mic), 5.1 Sound
- **CompactFlash Socket** Type 1
- **EIDE harddisk interface** UDMA-133
- **Floppy Disk interface** ✓
- **LPT Printer interface** ✓
- **Keyboard/Mouse** ✓ (PS2)
- **LAN/USB Boot** ✓
- **DarkBoot** ✓
- **Watchdog:** ✓
- **HW monitor** ✓
- **Real Time Clock** ✓
- **Dimensions:** 115x165 mm
- **Power Supply** ATX or 5V power supply

Plug ´n Play compatible to any other EPIC SBC and therefore exchangeable

- **Reset/ATX feature button** ✓ (8pin/2,54 mm)
- **Temperature:** Operation: 0° to 60° C
Storage: -10° to 85°C
- **Max. humidity:** Operation: 10% to 90%
Storage: 5% to 95%

Ordering Information

Article	Part.-No.	Description
EPIC/CE	04001-0000-40-1	Intel®ULV Celeron®processor with 400MHz, fanless, ATX
EPIC/CE	04001-0005-40-1	Intel®ULV Celeron®processor with 400MHz, fanless, 5V
EPIC/CE	04001-0000-73-1	Intel®LV Celeron®processor with 733MHz, fan, ATX
EPIC/CE	04001-0005-73-1	Intel®LV Celeron®processor with 733MHz, fan, 5V
		Longevity secured - will be available as lead free!
	common features:	Intel ® 815/ICH4 chipset, DVO/VGA/LCD on-chip, 2xLAN,4x COM, 6xUSB, 21xGPIO, LPT, IDE. PC/104plus extension. SDRAM-DIMM-socket, Compact-Flash ™ socket. Sound

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