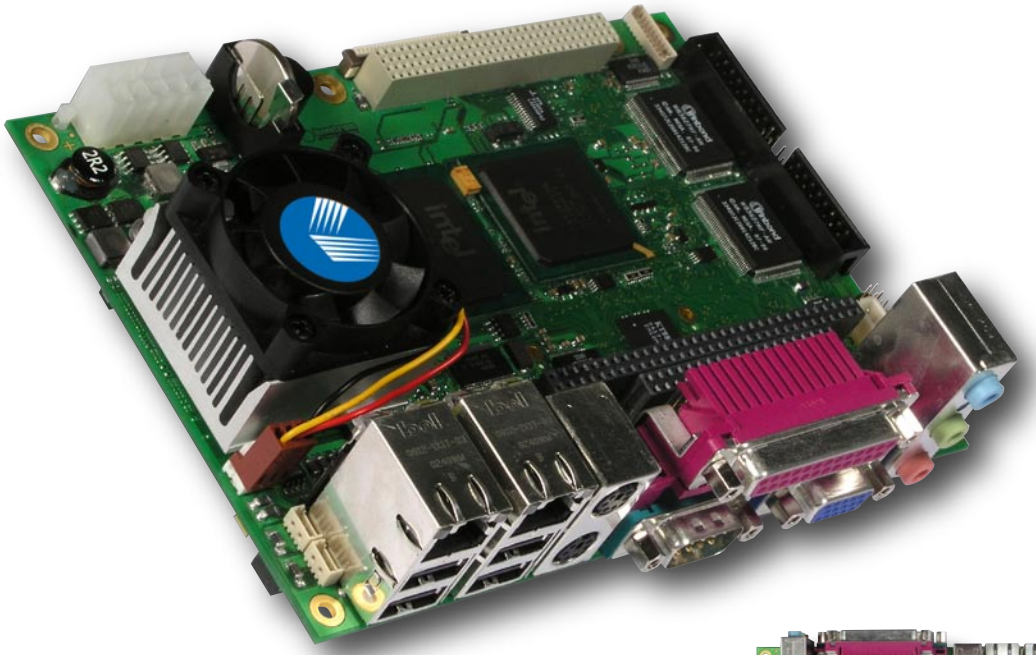
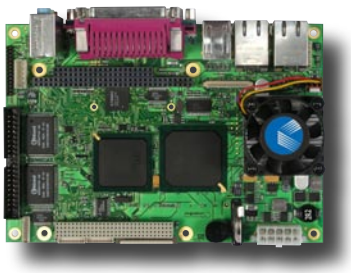
EPIC/CE





- 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

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.

Technical Information

EPICsized Single Board Computer	
Processor:	Intel® ULV Celeron®, 400 MHz LV Celeron® 733 MHz
Chipset:	Intel® 815, ICH4
On-chipGraphics:	Intel® Graphics engine, up to 12 MByte UMA VRAM 2x 24 Bit LVDS
Graphicinterfaces	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)
USB2.0	**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
CompactFlashSocket	Type 1

EIDEharddisk interface	UDMA-133
FloppyDisk interface	✓
LPTPrinter interface	✓
Keyboard/Mouse	✓ (PS2)
LAN/USBBoot	✓
DarkBoot	✓
Watchdog:	✓
HWmonitor	✓
RealTime Clock	✓
Dimensions:	115x165 mm
PowerSupply	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%

(*) Ask about wider temperature ranges

Ordering Information

Article	Part.-No.	Description
EPIC/CE	04001-0000-40-1	Intel®ULV Celeron®processor with 400MHz, fan, ATX
EPIC/CE	04001-0005-40-1	Intel®ULV Celeron®processor with 400MHz, fan, 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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