

Technical Features CEC4

Board Key Data

Processor	RISC SoC 1.2GHz	Low Power ARM CPU
Memory	512MByte DDR2	Soldered OnBoard
Firmware	512MByte NAND Flash	Soldered OnBoard

Interfaces

3 x Ethernet	10BaseT /100BaseTX / 1000BaseTX	3 x RJ45 connector, auto negotiation, auto MDI MDIX
3 x USB2	External ports	Type A connectors, ESD protected
1 x microSD Slot	For microSD Memory Card	Can be used as external storage (configuration, logging)
Mini PCI-Express	For WLAN, GPRS, UMTS, or FLASH	Minicard Slot
2 x SATA ports	Data transfer rates up to 300Mbyte/s	Micro SATA receptacle connectors

Physical / Power

Chassis	Compact rugged chromated Aluminum with stainless steel plates	DIN-rail or flange mounting, no ventilation holes
Size & Weight	62.1 x 162.1 x 118mm	0.94kg / 2lb including housing
Power	8 – 36VDC input power	Power consumption < 9 W, reverse polarity protection
Temperature Range	-20°C up to +60°C optionally -40°C to +85°C	No fan, no openings, values at full CPU load
Humidity	5% - 95% none condensing	Optional coating available

Standard Compliance

The CEC4 is designed to meet or exceed the most common standards. Particular references are:

EMC	EN 55022, EN 55024, EN 61000, MIL-STD-461E
Shock & Vibration	EN 60068
Environmental & Safety	EN 50155, MIL-STD-810-F, EN 60601, EN 60950, EN 60945

Software

OS-Support: Linux (Debian, Buildroot, . . .)

Options

- SATA-DOM (DiskOnModule)
- SATA 2.5" disks (SSD or HD)
- TX2FX media converter (copper - fiber)
- MAGBES 5-port manageable switch (copper and fiber)
- Minicard PCI-Express modules (WLAN, GPRS, ...)
- XTEST extended temperature test -40°C to +85°C
- Coated versions
- RS232 interface to connect a console

CEC Versions

	CPU	Ethernet	USB 2.0	Serial	Graphics	ext. Temperature
CEC4-10	RISC SoC 1.2GHz	3x GigE	3x	1	-	-40°C to +85°C
CEC5-10	Z510PT 1.1GHz	2x GigE	3x	1x	yes	-40°C to +85°C *
CEC5-11	Z510PT 1.1GHz	4x GigE	7x	2x	yes	-40°C to +85°C *
CEC6-10	Z520PT 1.33GHz	2x GigE	3x	1x	yes	-40°C to +85°C *
CEC6-11	Z520PT 1.33GHz	4x GigE	7x	2x	yes	-40°C to +85°C *
CEC7-10	Z530P 1.6GHz	2x GigE	3x	1x	yes	-40°C to +75°C
CEC7-11	Z530P 1.6GHz	4x GigE	7x	2x	yes	-40°C to +75°C

* by design

