

## Control units

### PCU04.04

#### Processor unit, type PC



1.4<sub>04</sub>

- Processor unit with passive cooling, compatible with standard PC
- 3,5" main board PC with integrated peripheries
- CPU VIA V4 Eden/C7 1GHz
- DDR2 SODIMM 533MHz, max 1GB
- CompactFlash card slot
- 3x RS232, 1x RS232/422/485, 1x USB 2.0
- 1 x Ethernet 10/100 Mbit/s
- VGA max. resolution 2048 x 1536, 75Hz
- 1x PS2 (AT keyboard, mouse)
- Real-time clock
- WatchDog
- Protection IP20
- **Extension**
- Hard disk 2,5", slot for another CompactFlash
- 2 galvanically insulated converters RS232/RS485 or RS232/RS232
- Holder for side-wall mounting



#### Basic characteristic:

■ PCU04.04 is a processor unit fitted with low power processor with passive cooling. It consists of a 3.5" processor board with integrated peripheries (graphic card, 3x RS232, 1x RS232/422/485, 1x USB 2.0 1 x Ethernet 10/100 Mbit/s, ports for keyboard, mouse, etc...), fitted with VIA V4 Eden/C7 1 GHz. The unit can be variably fitted with 2.5" hard disc and up to 2 CompactFlash. If there is a galvanic isolated communication requested, it is possible to fit the unit with up to 2 RS232/RS485 (RS232/RS232) converters. . There is a 12VDC/3A output connector, which can be used for supplying of an external display unit.

Big advantage of the PCU04.04 processor unit is the passive cooling, which warrants high durability in industrial environment. The unit is built into a metal case and is mounted through 4 holes in the cooling board. For variable mounting, a holder can be supplied

The unit is standardly supplied without operating system.

The unit was built as an electrical device, class I according to ČSN EN 330600.

#### Technical data:

<b>Dimensions</b>	250 x 171 x 55 mm
<b>Ambient temperature</b>	0°C - 50°C (with CF) 0°C - 45°C (with HD)
<b>Supply current</b>	15 – 35 VDC
<b>Power take-off</b>	Max 0,7A, if supply voltage is 24V
<b>Weight</b>	1,8 kg
<b>Mounting</b>	Vertical, supply connector on the top (see the picture)
<b>Operation</b>	Continuous
<b>Operating ambience</b>	Industrial, non air-conditioned, without aggressive gasses and steam
<b>Protection</b>	IP20
<b>Processor</b>	VIA V4 EDEN/C7 1GHz
<b>Memory</b>	DDR2 SODIMM 533MHz max 1GB
<b>Semiconductor disc (extension)</b>	2x CompactFlash memory card
<b>Hard disc (extension)</b>	2,5"
<b>VGA</b>	max. resolution 2048 x 1536, 75Hz
<b>Serial channels</b>	3 x RS232, 1x RS232/RS422/RS485 2x possible extensions of galvanic isolated converters (RS232/RS485)
<b>Ethernet</b>	1x 10/100 MBit/s
<b>USB</b>	1 x USB 2.0
<b>Parallel port</b>	LPT
<b>Keyboard and mouse</b>	PS2 - AT keyboard, mouse
<b>WatchDog</b>	Software-programmable time interval ( 0,5µs - 32s)

**Order data:**

Standardly is PCU04.04 supplied with VIA V4 EDEN/C7 1GHz and operating memory 512MB, without HD and CF.

Supply possibilities:

- operating memory 1GB
- 2,5" hard disc 40GB or higher
- another CompactFlash slot
- 1 or 2 CF 512MB memories or higher
- holder for side wall mounting
- operating system Windows XP Profi, Home, XP Embedded

**Mounting dimensions:**