- Processor unit with passive cooling, compatible with standard PC
- 3,5" main board PC with integrated peripheries
- CPU Celeron M 800MHz
- DDRAM 266 SODIMM max 1GB
- CompactFlash card slot
- 3x RS232, 1x RS232/422/485, LPT, 2x USB
- 1 x Ethernet 10/100 Mbit/s
- VGA interface, max resolution 1280 x 1024 - 16bpp (60Hz)
- 1x PS2 (AT keyboard, mouse)
- Real-time clock
- WatchDog
- Protection IP20
  Extension
- Hard disk 2,5", slot for another CompactFlash
- 2 galvanic isolated converters RS232/RS485 or RS232/RS232
- Holder for side-wall mounting

Basic characteristic:

PCU04.02 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, 2x USB2.0, Ethernet, 3x RS232, 1x RS232/RS422/RS485, LPT, port for keyboard, mouse, ...), fitted with Celeron M 800MHz. The unit can be variably completed with 2.5"hard disc and up to 2 CompactFlash. If there is a galvanic isolated communication requested, the unit can be fitted with up to 2 RS232/RS485 (RS232/RS232) converters. There is a 12VDC/3A output connector, which can be used for power supply of an external display unit.

Big advantage of the PCU04 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 can be supplied a holder.

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:

Dimension	250 x 171 x 55 mm
Ambient temperature	0°C - 50°C (with CF)
	0°C - 45°C (with HD)
Power supply	15 – 35 VDC
Supply current	Max 0,7A, if supply voltage is 24V
Weight	1,8 kg
Mounting	Vertical, supply connector on the top (see the picture)
Operation	Continuous
Operating ambiance	Industrial, non air-conditioned, without aggressive gasses and steam
Protection	IP20
Processor	Celeron M 800MHz
Memory	DDRAM 266 SODIMM max 1GB
Semiconductor disc (extension)	2x CompactFlash memory card
Hard disc (extension)	2,5"
VGA	max resolution 1280 x 1024 - 16 bpp
Serial channels	3x RS232, 1x RS232/RS422/RS485
	2x possible extensions of galvanic isolated converters RS232/RS485 (RS232/RS232)

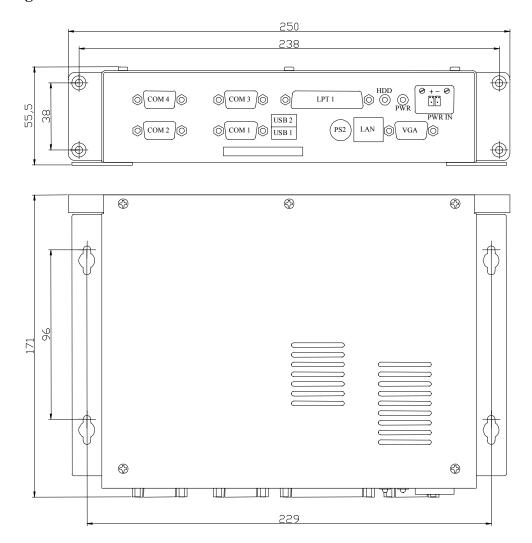|	
Ethernet	1x 10/100 MBit/s
USB	2x USB 2.0
Parallel port	LPT
Keyboard and mouse	PS2 - AT keyboard, mouse
WatchDog	Software programmable time interval (0,5μs - 32s)

Order data:

Standardly is PCU04.02 supplied with Celeron M 800MHz processor and operating memory 256MB, without HD and CF.

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

On a special order can be supplied an unit with more efficient processor.

Mounting dimensions: