

# IPC191V3

## Datasheet



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Zertifikat: 01 100 040757

# Technical Data

## Chassis

- 19" rack mount chassis (1U)
- Dual PCI riser card
- The Industrial PC doesn't have any CPU- and Power supply fan. The hardware is equipped with two passive chassis fans which are switched on only if a certain CPU temperature and system temperature respectively has been exceeded (configurable).

## MTBF

- 100.000h

## Power Supply

- Fanless
- 90 – 264 V AC, 127 – 373 V DC autorange, optional 10-36 V DC,
- Power consumption: max. 60 W (depending on the used type)
- CE/TÜV certified

## Mainboard

- VIA Nano 1,0 GHz fanless CPU (up to 3x faster than IPC191V2 CPU)
- DDR2 RAM max. 2 GB
- IDE interface
- SATA interface
- 2 x serial ports
- Real-time clock/calendar
- 1 x RJ45 10/100/1000BaseT LAN interface, 3 x RJ45 10/100BaseT LAN interface onboard, more on request (over PCI)
- 4 x USB 2.0 (two at front side, two at backside), more on request
- RAID SATA functionality (RAID Level 0 or RAID Level 1)

## Serial Cards

- Up to sixteen serial RS232 ports
- DB9 male connectors, optional RJ45, DB25 (male, female)
- Baud rate 50 bps to 921.600 bps transmission speed
- 16KV ESD protection

## Diagnostics

- Power LED
- LED to show different software conditions

## Additional Functions

- Battery buffered real time clock (RTC)
- Reset

## Mass Storage CF

- Rugged CompactFlash, industrial – grade
- Max. 16 GB supported
- MTBF  $\geq$  4.000.000 hours
- No moving parts
- Shock: 1000 G max.
- Removable flash card
- Bad Block Scanning/Handling
- Static Wear-Leveling System
- 6-Bit ECC
- 2.000.000 write/erase cycles
- Vibration: 15 G peak to peak max.
- Very short access time

**Mass Storage SATA  
HDD Raid Level 1 or 0  
possible (optional)**

- Two server HDDs, for continuous operation
- Max. 2 TB
- MTBF  $\geq$  1.200.000 hours

**Mass Storage SATA  
SSD Raid Level 1 or 0  
possible (optional)**

- No moving parts
- Max. 128 GB supported
- Very short access time
- Very high write/read performance

**Supported Operating  
Systems**

- Windows XP Professional
- Linux

**Optical Drive  
(optional)**

- CD/DVD writer with Slot-in technology

**Video**

- Standard VGA interface

**Operating  
Environment**

- Operating temperature: 0° C to 50° C
- Storage temperature: 0° C to 60° C
- Relative humidity (non condensing): 5 % to 95 %

**General**

- All components are CE certified and tested according to type of test EN 61000-6-2:2005; EN 61000-6-3:2007
- Height: 1 U
- Dimension (W x H x D): 19" x 1.75" x 15"  
(482.6 mm x 44.45 mm x 381 mm)
- Weight: 5,80 kg

**Assembled by IPCOMM GmbH/Germany**