

IPC191V3 (Linux OS) IPC191V3WIN (Windows OS)

Datasheet



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DIN EN ISO 9001:2008
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

> 100,000 h

Power Supply AC

- Fanless
- 90 – 264 V AC, 127 – 373 V DC auto-range
- Input frequency: 47 – 63 Hz
- Hold up time: ≥ 20 ms, 230 V AC
- Power consumption: max. 50 W (depending on the used type)
- CE/TÜV certified (EN 60950-1, UL 60950-1)

Power Supply DC (optional)

- Fanless
- 10 - 36 V DC
- Hold up time: > 1 ms at +24 V DC and rated load
- Power consumption: max. 50 W (depending on the used type)
- CE/TÜV certified (EN 60950-1, UL 60950-1)

Mainboard

- VIA Nano 1 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) outward, more on request
- RAID SATA functionality (RAID Level 0 or RAID Level 1)

Serial Cards

- Up to sixteen serial RS-232 ports
- DB9 male connectors, optional RJ45, DB25 (male, female)
- Baud rate 50 bps to 921,600 bps transmission speed
- 15 KV 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 1,000,000 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 61000-6-4:2007
EN 55022, EN 55022, EN 55022, EN 55016-2-3, EN 61000-3-3, EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
(The test report is available on request.)
- 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