

# Industrial PC IPC191V4 (Linux OS)

## Datasheet



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# Technical Data

## Diagnostic LEDs

- Power LED
- LED to show different software conditions
- HDD LED
- CFast activity LED

## Mass storage CFast

- Rugged CFast card, industrial – grade
- Max. 64 GB supported
- MTBF  $\geq$  4,000,000 hours
- No moving parts
- Removable flash card
- Bad Block Scanning/Handling
- Wear-Leveling system
- ECC
- Very short access time

## Mass storage in removable frame (optional)

- SATA 2,5" SSD or HDD

## Supported operating systems

- Linux

## Additional functions

- Battery buffered real time clock (RTC)
- Optional: IRIG-B time synchronization over PCIe Card
- Watchdog

## Standards

The device is CE certified and tested according to type of test

EN 61000-6-2: 2005

EN 61000-6-4: 2007+ A1:2011

EN 61000-3-2: 2006 + A1:2009 + A2:2009

EN 61000-3-3: 2008

(The test report is available on request.)

## Housing

- 19" rack mount chassis (1U)
- 2x PCIe
- Excellent air flow with temperature controlled fans which are switched on only if a certain CPU temperature and system temperature respectively has been exceeded (configurable)

## MTBF

> 100,000 hours

## Power supply AC (delivery model 1 – standard)

- Fanless
- 90 – 264 V AC, 104 – 373 V DC auto range
- Starting current max. 30 A
- Input frequency 47 – 63 Hz
- Hold up time  $\geq$  20 ms, 230 V AC
- Power consumption max. 50 W (depending on the used type)

**Power supply 24 V DC  
(delivery model 2 – optional)**

- Fanless
- 9 – 32 V DC
- Starting current max. 30 A at 24 V DC
- Hold up time > 1 ms at +24 V DC and rated load
- Power consumption max. 50 W (depending on the used type)

**Further power supplies available on request.**

**Mainboard**

- Intel® Celeron® Embedded Quad-Core 64-bit processor, up to 2.16 GHz, passively cooled (up to 3x faster than CPU of IPC191V3)
- DDR3 RAM max. 8 GB
- SATA interface
- 2 serial ports
- Real-time clock/calendar
- 5 x RJ45 10/100/1000BaseT LAN interface, more on request (over PCIe)
- 6x USB (5x USB 2.0, 1x USB 3.0) (more on request)

**Serial cards**

- up to 32 RS-232 ports
- DB9 male connectors, optional RJ45, DB25 (male, female)
- Baud rate 50 bps to 921,600 bps
- 15 KV ESD protection
- optional 4 kV surge protection

**Optical drive (optional)**

CD/DVD writer with slot-in technology

**Video**

- Standard VGA interface
- HDMI interface (DVI possible with an adapter)

**Dimensions**

- Height 1 U
- 19" x 1.75" x 15" (W/H/D)  
482.6 mm x 44.45 mm x 381 mm (W/H/D)

**Weight**

ca. 5.20 kg (depending on the used type)

**Operating environment**

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

**Assembled by IPCOMM GmbH/Germany**