

# IPC191i5

## Datasheet



**Edition Mar 2017**  
**Version 1.3**



IPCOMM GmbH

Walter-Bouhon-Strasse 4  
90427 Nuremberg

Germany

Phone: +49 911 18 07 91-0  
Fax: +49 911 18 07 91-10  
Internet: <http://www.ipcomm.de>  
Email: [info@ipcomm.de](mailto:info@ipcomm.de)



# Technical Data

## Chassis

- 19" rack mount chassis (1U)
- Dual PCIe riser card
- Excellent air flow for maximum heat dissipation with ball bearing mounted industrial fans

## Power Supply AC

- Fanless
- 90 – 264 V AC, 130 – 367 V DC auto range
- Input frequency: 47 – 63 Hz
- Hold up time: > 41 ms at 115 V AC and full load
- Switch-on delay: 100 - 550 ms
- Switch-off delay: 1 ms
- Power consumption: max. 100 W (depending on the used type)
- CE, UL 60950-1, EN 60950-1

## Power Supply DC (optional)

- Fanless
- 10 – 36 V DC
- Hold up time: > 2 ms
- Switch-on delay: 100...500 ms
- Switch-off delay: 1 ms
- Power consumption: max. 100 W (depending on the used type)
- CE, UL 60950-1, EN 60950-1

## Mainboard

- Intel Core i5 Mobile Dual-Core CPU 2,5 GHz with excellent performance and energy efficiency (others, also Quad-Core CPU's on request)
- DDR3 RAM max. 8 GB (16 GB with another CPU possible on request)
- SATA interfaces
- 2 serial interfaces outward
- 3 x RJ45 10/100/1000 BaseT LAN interfaces onboard (further over PCIe on request)
- 8 x USB 2.0 outward (further on request)
- RAID SATA functionality (RAID Level 0/1)

## Serial Cards

- Up to 32 RS-232 interfaces
- DB9 male connector, optional RJ45, DB25 (male, female)
- Baud rate 50 bps to 921,600 bps
- 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 capacity
- MTBF  $\geq$  1,000,000 hours
- No moving parts
- Shock: 1,000 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 HDD 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
- Very short access time
- Very high write/read performance

### **Supported Operating Systems**

- Linux

### **Optical Drive (optional)**

- CD/DVD writer with slot-in technology

### **Video**

- 1 x DVI interface, 2 x display port (VGA possible with an adapter)

### **Operating Environment**

- Operating temperature: 0 °C to 45 °C
- Storage temperature: 0 °C to 60 °C
- Relative humidity: 5 % to 95 % not condensing

### **General**

- All components are CE certified and tested according to type of test  
EN 61000-6-2: 2005  
EN 61000-6-3: 2007+ A1:2011+ AC:2012  
EN 61000-3-2: 2006 + A1:2009 + A2:2009  
EN 61000-3-3: 2008  
(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: approx. 6 kg (depending on the used type)
- **Assembled by IPCOMM GmbH/Germany**