

Data Recording PC PC 521



The PC 521 is a data recording PC with an Intel Celeron J1900 processor that is PC-compatible and operates with a standard PC BIOS.

For better heat dissipation, a ventilator can be mounted onto the PC 521.

Performance Data

Processor	INTEL Celeron J1900
Hard drive	128-Gbyte Solid State Disk
Main memory (DDR-RAM)	4-Gbyte DDR3 RAM (SODIMM)
Graphics	Intel Graphics DX 11
Interfaces	4x Ethernet 10/100/1000 Mbit 2x USB 2.0 2x USB 3.0 1x VGA 1x Audio (Line Out) 1x HDMI
Real-time clock	yes (battery buffered)

Electrical Requirements

Supply voltage	typically +24 V DC (SELV/PELV)	
	minimum +18 V DC	maximum +30 V DC
Supply voltage (UL)	+18-30 V DC (NEC Class 2 or LVLC)	
Current consumption Power supply +24 V	typically 1 A (without externally connected devices)	maximum 1.6 A (with external devices connected)
Inrush current with 24 V/10 A fixed voltage supply	maximum 12.5 A (for 108 µs, load-dependent)	
Inrush current without current-limiting supply	maximum 30 A (for 23.5 µs, load-dependent)	
USB current load	maximum 0.5 A	

Mechanical Dimensions

PC 521 incl. mount	72.2 x 195.0 x 112.6 mm (W x H x D)
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Article Number and Miscellaneous

Article number	20-018-221
Operating system	Windows 10 IoT
Standard	UL (247993)
Approvals	CE, cUL _{US}

Environmental Conditions

Storage temperature	-20 ... +60 °C	
Environmental temperature (without fan)	0 ... +50 °C	
Environmental temperature (with fan)	0 ... +60 °C	
Humidity	10-90 %, non-condensing	
Operating conditions	pollution degree 2 indoor use altitude up to 2000 m	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s²)
Shock resistance	EN 60068-2-27	15 g (150 m/s²)
Protection type	EN 60529: protected through the housing	IP20