

HIGHLIGHTS

- LOW POWER DESIGN
- 21,5" FULL-HD 1920x1080 LCD
- MULTI TOUCH SCREEN
- INTEL® CELERON® QUAD-CORE J1900
- 12 OR 24V DC OR 110/230VAC INPUT
- CE / RoHS COMPLIANT
- INDUSTRIAL APPLICATIONS, 24/7 OPERATION
- AVAILABILITY MIN. 3 YEARS



PPC-21-CELERON

Update: 03/2016

Hardware	Description
Type of device	Panel-PC in a steel sheet housing containing a single-board-computer and a 21,5"full-HD display with a multi touch screen (pcap) behind a glass front panel (3mm thick) with black frame color. Aluminium front frame with rubber O-ring, front protection class IP65. Flat computer housing for standard equipment, deeper housing for enhancement boards.
Mainboard	Form factor: Mini ITX (170 x 170mm) CPU: Intel® Celeron® J1900 (4x 2,0GHz, 2MB cache) Chipset: Intel® Graphics: Intel® HD Graphics Gen 7, supports DX11.1, OpenGL 4.2 and OpenCL 1.2 Ethernet 1: Intel® I210-AT (NCSI support) Ethernet 2: Intel® I211-AT Audio: Realtek ALC888S
Interfaces external (mounted in rear cover, bottom side)	Serial: 2x USB 3.0, 2x USB 2.0 Graphics: 1x CRT (VGA), 1x DP Network: 2x 10/100/1000Mbps Ethernet
Interfaces internal	Type: 2x SATA, 1x mSATA, 1x Mini-PCIe half size, 2x USB 3.0, 2x USB 2.0, 2x RS232
Main memory	RAM: 2x SO DIMM socket, DDR3L-1333, max. 16GB
Mass memory	mSATA: SLC: 2, 4 or 8GB; MLC: 16, 32, 64, 128 or 256GB HDD: 2,5" SATA min. 250 GB
Display	LCD: 21,5", 1920x768 pixel, 300cd/m², 5000:1, 16,7M colors
Touch screen	Type: Multi touch (projected capacitive) behind a glass front (3mm thick) with black or white frame color.
Power supply	Input: 12 or 24V DC or 110/230V AC

Software	Description
Operation system	Windows® 7 / 8.1 / 10 and embedded versions; others on request

Mechanics	Dimensions: W x H x D
Housing	a. Display housing 589,8x380,8 mm, for standard IPC equipment; depht over all: 91 mm; b. Display housing 589,8x380,8 mm, for enhancement boards; depht over all: 134 mm Cutout in the front panel 554,5x350 mm
Weight	~14 kg

Installation	Description
Mounting	Threaded stud bolts for mounting in front panels / console covers / doors of switching cases.

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HIGHLIGHTS

- LOW POWER DESIGN
- 21,5" FULL-HD 1920X1080 LCD WITH MULTI TOUCH
- INTEL® CORE® I3/I5/I7-4XXX SERIES
INTEL® PENTIUM® G3XXX SERIES
INTEL® CELERON® G18XX SERIES
- 12 OR 24V DC OR 110/230V AC INPUT
- CE / RoHS COMPLIANT
- INDUSTRIAL APPLICATIONS, 24/7 OPERATION
- AVAILABILITY MIN. 3 YEARS



PPC-21- INTEL I3 I5 I7

Update: 03/2016

Hardware	Description
Type of device	Panel-PC in a steel sheet housing containing a single-board-computer and a 21,5"full-HD display with a multi touch screen (pcap) behind a glass front panel (3mm thick) with black frame color. Aluminium front frame with rubber O-ring, front protection class IP65. Flat computer housing for standard equipment, deeper housing for enhancement boards.
Mainboard	Form factor: Mini ITX (170 x 170mm) CPU: LGA1150 socket CPUs, e.g.: Intel i3-4330 (3,5GHz/3MB), Intel i5-4430 (3,0GHz/6MB) or Intel i7-4770 (3,4GHz/8MB) Chipset: Intel Q87 Ethernet: Intel i210AT Audio: Realtek ALC671
Interfaces external (mounted in rear cover bottom side)	Serial: 1x RS232 2x USB 3.0 + 6x USB2.0 Graphics: DVI-I + 2x DP Network: 2x LAN 10/100/1000Mbps Ethernet (RJ-45) Keybd. entry: PS/2 (keyboard/mouse) Audio: Line IN + Line OUT Switches: Power button, reset button Optional: 1x PCI or 1x PCIeX16 (only with computer enhancement boards)
Interfaces internal	Type: 2x USB 3.0, 2x USB 2.0, 1x RS232, 5x SATA-600, 1x Mini PCIe halfsize
Main memory	RAM: 2x SO DIMM socket, DDR3-1333/1600, max. 16GB
Mass memory	mSATA: SLC: 2, 4 or 8GB; MLC: 16, 32, 64, 128 or 256GB HDD: 2,5" SATA min. 250 GB
Display	LCD: 21,5", 1920x768 pixel, 300cd/m ² , 5000:1, 16,7M colors
Touch screen	Type: Multitouch (projected capacitive) behind a glass front (3mm thick) with black or white frame color (see picture).
Power supply	Input: 12 or 24V DC or 110/230V AC

Software	Description
Operation system	Windows® 7 / 8.1 / 10 and embedded versions; others on request

Mechanics	Dimensions: W x H x D
Housing	a. Display housing 589,8x380,8 mm, for standard IPC equipment; depht over all: 91 mm; b. Display housing 589,8x380,8 mm, for enhancement boards; depht over all: 134 mm Cutout in the front panel 554,5x350 mm
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