

Panel-PC PPC-17

Industrial Touch-Panel-PC with 17" Full-HD-Display in Landscape Aspect Ratio 4:3

With PC-touch screen, full glass front, VESA-mounting, integrated Embedded-PC with energy efficient Intel Multi-Core-architecture, intrinsically-safe DC-supply and numerous interfaces.



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| PPC-17 | |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Application | Operation and control of machines in the industrial field (HMI) |
| Display | 17" TFT with True-Colour-Resolution and LED backlight |
| Front | Full glass front made of tempered safety glass |
| Chassis | Powder coated steel chassis with supporting plate for safe cable fixation |
| User Interaction (HMI) | Projective capacitive multi-point-touch screen (PCT) |
| Communication | LAN or WLAN with Wake-on-WLAN (WoWL)-function (WoWL only from S3/S4-Power-Status) |
| Power Supply | Safe SELV DC input 12 – 24 VDC |
| Safety | Automatic re-boot in case of errors by the built-in watchdog-timer. Hardware monitor to control vital system values. |
| Customizable | Front Panel optionally with customer logo and print behind glass |

| Technical Specifications of PPC -17 | |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Resolution | 1280 x 1024 Dots (RGB), Aspect Ratio 4:3 |
| Colour Depth | 16 million colours (True Colour) |
| Brightness | 350 cd/m ² (display native) |
| Backlight | energy saving LED edge-backlight |
| Contrast | 800:1 |
| Viewing Angle (horizontal/vertical) / display technology | 180°/160° (80-80/60-60); CR > 10 / TN-technology |
| Pixel Error Class according to EN ISO 9241-307 | II (other classes on inquiry) |
| Touch Panel-Option | Projective capacitive (PCT) touch screen, internal USB-connection |
| Supply Voltage | 12 – 24 VDC (SELV), including 24 VDC power supply & 2m power cord |
| Power Consumption (max.) | approx. 30 W |
| Mounting | VESA-100 with threaded hole M6 |
| Cooling | All-round closed convection-cooled chassis with aluminum back cover for operation under rough environmental conditions. Built-in durable fans control the interior circulation and avoid hot spots. |
| Expansion and Service | Hinged front unit allows easy access to all components and expansion slots. |
| Cable Fixation | A detachable supporting plate with separate cable clips and GND connection ensures secure fixing and grounding of all connection cables. |
| Dimensions PPC-17 | approx. 341,9 (H) x 389,6 (W) x 63,3 (D) mm |
| Weight | Basic unit approx. 4,5 kg |

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| Technical Specifications of the integrated computer | |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor | Intel Celeron CPU J1900 CPU, 4 cores, 2,0GHz/2,42 GHz Burst, TDP 10W |
| Chipset | Intel Bay Trail SoC |
| System memory | 1 SO-DIMM socket for DDR3L, 1333 MHz., 4 GB (optionally expandable to max. 8 GB) |
| Bulk Memory | mSATA SSD with 240 GB |
| Graphics | Intel HD-Graphics |
| Graphic Memory | Shared Memory |
| Connections on the back of the built-in Computer | 2 x GB-LAN 1 x USB 3.0-Port, 6 x USB 2.0-Port (2 of which on the side of the unit) 3 x serial port (DSUB-9) 1 x VGA-Port 1 x Audio Line-out Stereo (3,5 mm phone jack) 1 x WLAN/BT-antenna input (option) 1 x DC-supply (round socket 2,5/5,5 mm) |
| Internal Expansion Slots | 1 x MiniCard full size (mSATA/mPCIe/USB2.0), reserved for SSD! 1 x MiniCard half size (mPCIe) |
| BIOS | AMI-BIOS with integrated LAN-Boot ROM-Image |
| Watchdog-Timer | Timeout-Intervals from 1 – 255 min./sec. |
| System Monitoring & Management | CPU- and system temperature, internal operation voltages |
| Permissible Operation Temperature | 0 ~ +45°C |
| Permissible Operation Humidity | 0% ~ 95% (relative humidity, without condensation) |
| IP-Protection Class | Front IP65, complete unit IP50 |
| Noise Emission | Minimal noise emission due to the temperature controlled internal circulation fans |

| Configuration Options PPC-17 | |
|-----------------------------------------|------------------|
| RAM-Expansion to 8 GB | Price on inquiry |
| Operating System Windows 7 embedded | Price on inquiry |
| Operating System Windows 7 Professional | Price on inquiry |
| PPC WLAN/Bluetooth incl. antenna | Price on inquiry |