



## PPC-2129

21.5" Intel® Celeron® SoC Processor J1900  
Fanless Plastic Chassis Touch Panel PC

- > Onboard Intel® Celeron® SoC J1900 2.0GHz BGA Processor
- > 1 SODIMM up to 8GB DDR3L SDRAM
- > 1 CF, 2 USB, 1 COM & 1 Mini-PCle
- > 2 Intel Gigabit LAN, 2W Amplifier
- > Timer-Power-On
- > Fanless Operation, VESA Compliance
- > Programmable Function Key
- > IP-65 Compliant Front Panel
- > VESA Compliance

### + Spec

| -System Information-             |  |
|----------------------------------|--|
| <b>Processor</b>                 | Intel® Celeron® J1900 4-Core 2.0GHz processor  |
| <b>Platform Controller Hub</b>   | Intel® Valleyview SoC  |
| <b>System Memory</b>             | 1 x 204-Pin DDR3L 1066MHz SO-DIMM up to 8 GB<br>204-Pin DDR3L 1600MHz SO-DIMM Processor J1900 only support 1333MHz |
| <b>I/O Chipset</b>               | EC ITE IT8528E   |
| <b>Watchdog Timer</b>            | H/W Reset, 1sec. ~ 65535sec. and 1sec./step  |
| <b>H/W Status Monitor</b>        | Monitoring CPU & System Temperature and Voltage  |
| <b>SBC</b>                       | EBM-BYT  |
| Expansion                        |  |
| <b>Expansion</b>                 | 1 x Mini PCIe Supports mSATA   |
| Storage                          |  |
| <b>Storage</b>                   | 1 x CompactFlash Type I/II Socket<br>1 x 2.5" Drive Bay  |
| Panel                            |  |
| <b>LCD Size</b>                  | 21.5"  |
| <b>Display Type</b>              | Full HD  |
| <b>Resolution</b>                | 1920x1080  |
| <b>Pixel pitch</b>               | 0.248mm (H) x 0.248mm (V)  |
| <b>Luminance</b>                 | 250 cd/m2  |
| <b>Contrast ratio</b>            | 3000   |
| <b>Viewing angle</b>             | 89 (U), 89 (D), 89 (L), 89 (R)   |
| <b>Response time</b>             | 18 ms  |
| <b>Backlight</b>                 | LED  |
| <b>Touch Type</b>                | 5 Wires resistive  |
| <b>Touch Light Transmission</b>  | 80%  |
| I/O                              |  |
| <b>USB Port</b>                  | 3 x USB 2.0 1 x USB 3.0  |
| <b>COM Port</b>                  | 1 x RS-232/422/485   |
| Display                          |  |
| <b>Graphic Chipset</b>           | Intel® Valleyview SoC integrated Graphics<br>Supports dual display   |
| <b>Spec. &amp; Resolution</b>    | DP:Max. resolution 2560x1080@ 60Hz<br>HDMI:Max. resolution 1920x1200@ 60Hz   |
| Audio                            |  |
| <b>Audio Codec</b>               | Realtek ALC888S  |
| <b>Audio Interface</b>           | Line-Out   |
| <b>Speaker Output</b>            | 2 x 2W   |
| Certifications                   |  |
| <b>Certification Information</b> | CE<br>FCC Class B  |
| Ethernet                         |  |
| <b>LAN Chipset</b>               | 2 x Intel® I210IT  |
| <b>Ethernet Interface</b>        | 10/100/1000 Base-Tx GbE compatible   |
| <b>LAN Port</b>                  | 2 x RJ-45  |
| Power Requirement                |  |
| <b>DC Input</b>                  | +12V ~ +26V  |
| <b>DC Input Connector</b>        | Lockable DC Jack   |



|                                       |   |
|---------------------------------------|---|
| <b>Power Mode</b>                     | AT/ATX (ATX is default setting)   |
| <b>Adapter</b>                        | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)   |
| <b>Mechanical &amp; Environmental</b> |   |
| <b>Operating Temperature</b>          | 0°C ~ 40°C (32°F ~ 104°F)   |
| <b>Storage Temperature</b>            | -10°C ~ 50°C (14°F ~ 122°F)   |
| <b>Operating Humidity</b>             | 0% ~ 90% Relative Humidity, Non-condensing  |
| <b>Dimension (W x L x H)</b>          | 542 x 382 x 63mm  |
| <b>Weight</b>                         | 7.2Kgs  |
| <b>Vibration Test</b>                 | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis   |
| <b>Shock Test</b>                     | With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms   |
| <b>System Fan</b>                     | Fanless   |
| <b>Construction - Front</b>           | White Plastic   |
| <b>Construction - Rear</b>            | Gary Plastic  |
| <b>Software Support</b>               |   |
| <b>OS Information</b>                 | Win 7<br>Win 8<br>Win 10<br>Linux   |
| <b>Ordering Information</b>           |   |
| <b>Ordering Information</b>           | PPC-2129-190-A4R<br>Intel Celeron SoC J1900 2.0GHz/2G DDR3L/32G SSD/2GLAN/COM/SPK/VESA Stand/12~26V input/12V Adapter |

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