



## PPC-1729

17" 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-      |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Processor                 | Intel® Celeron® J1900 4-Core 2.0GHz processor                      |
| Platform Controller Hub   | Intel® Valleyview SoC                                              |
| System Memory             | 1 x 204-Pin DDR3L 1066/1333MHz SO-DIMM up to 8 GB                  |
| I/O Chipset               | EC ITE IT8528E                                                     |
| Watchdog Timer            | H/W Reset, 1sec. ~ 65535sec. and 1sec./step                        |
| H/W Status Monitor        | Monitoring CPU & System Temperature and Voltage                    |
| SBC                       | A Version EBM-BYT<br>B Version EMX-BYT2                            |
| Expansion                 |                                                                    |
| Expansion                 | 1 x Mini PCIe Supports mSATA                                       |
| Storage                   |                                                                    |
| Storage                   | 1 x CompactFlash Type I/II Socket<br>1 x 2.5" Drive Bay            |
| Panel                     |                                                                    |
| LCD Size                  | 17", 4:3                                                           |
| Display Type              | SXGA                                                               |
| Resolution                | 1280x1024                                                          |
| Pixel pitch               | 0.264mm (H) x 0.264mm (V)                                          |
| Luminance                 | 350 cd/m2                                                          |
| Contrast ratio            | 800                                                                |
| Viewing angle             | 80 (U), 80 (D), 85 (L), 85 (R)                                     |
| Response time             | 30 ms                                                              |
| Backlight                 | LED                                                                |
| Touch Type                | 5 Wires resistive                                                  |
| Touch Light Transmission  | 80%                                                                |
| I/O                       |                                                                    |
| USB Port                  | 1 x USB 3.0<br>3 x USB 2.0                                         |
| COM Port                  | 1 x RS-232/422/485                                                 |
| Display                   |                                                                    |
| Graphic Chipset           | Intel® Valleyview SoC integrated Graphics<br>Supports dual display |
| Spec. & Resolution        | HDMI: Max. resolution 1920x1200@ 60Hz                              |
| Audio                     |                                                                    |
| Audio Codec               | Realtek ALC888S                                                    |
| Audio Interface           | Line-Out                                                           |
| Speaker Output            | 2 x 2W                                                             |
| Certifications            |                                                                    |
| Certification Information | CE / FCC Class B                                                   |
| Ethernet                  |                                                                    |
| LAN Chipset               | 2 x Intel® I210IT                                                  |
| Ethernet Interface        | 10/100/1000 Base-Tx GbE compatible                                 |
| LAN Port                  | 2 x RJ-45                                                          |
| Power Requirement         |                                                                    |
| DC Input                  | +12V ~ +26V                                                        |
| DC Input Connector        | Lockable DC Jack                                                   |



|                                       |                                                                                                                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Mode</b>                     | AT/ATX (ATX is default setting)                                                                                                                                                                                                                    |
| <b>Adapter</b>                        | Input: 100 ~ 240Vac/ 50 ~ 60Hz<br>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>          | 391.5 x 364.5 x 59 mm                                                                                                                                                                                                                              |
| <b>Weight</b>                         | 5.9Kgs                                                                                                                                                                                                                                             |
| <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>            | Grey Plastic                                                                                                                                                                                                                                       |
| <b>Software Support</b>               |                                                                                                                                                                                                                                                    |
| <b>OS Information</b>                 | Win 7<br>Win 8<br>Linux                                                                                                                                                                                                                            |
| <b>Ordering Information</b>           |                                                                                                                                                                                                                                                    |
| <b>Ordering Information</b>           | PPC-1729-190-A4R<br>Intel Celeron SoC J1900 2.0GHz/2G DDR3L/32G SSD/2GLAN/COM/SPK/VESA Stand/12~26V input/12V Adapter<br><br>PPC-1729-190-B3R<br>Intel Celeron SoC J1900 2.0GHz/2G DDR3L/32G SSD/2GLAN/COM/SPK/VESA Stand/12V DC input/12V Adapter |

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