



999.00 EUR  
incl. 19% VAT, plus [shipping](#)

Support: [Specifications](#)

ARK-2121, an intelligent, fanless embedded system powered by Intel® Celeron J1900 Quad Core low power processor with multiple I/O interface. The new generation Intel® Celeron processor brings 300% improvement on processing power and 300% on graphics performance than previous generation Intel® Atom processors. These low-power platforms provide energy-efficient and environmentally responsible solutions, and serve applications targeted at factory automation, machine automation, kiosks, and self-service applications; and they operate reliably in -20 ~ 70° C environments!

- Intel® Celeron® J1900 Quad Core 2.0 GHz SoC with Turbo boost support
- VGA and HDMI dual independent display
- 9 ~ 36 VDC wide range power input
- -20 ~ 70° C extend temperature operating
- Mini PCIe expansion with SIM holder for communication module
- mSATA and 1 x 2.5" SATA storage device
- Advantech iDoor module compatible
- Advantech EMIO miniPCIe module compatible with all-in-one ordering

**CPU**

Intel Celeron Processor J1900 Quad Core SoC  
2.0 GHz, turbo boost up to 2.42 GHz (2mb Cach)  
AMI EFI BIOS

**Chipset**

Intel® QM67  
Intel integrated graphics

**Memory**

1 x 204-pin DIMM socket, Supports DDR3L 1333MHz up to 8GB

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|--------------------------|--|
| <b>Graphics</b>          | DirectX 11.1, OCL 1.2, OGL 3.2<br>Encode: H.264, MPEG2/4, VC1, WMV9<br>Decode: H.264, MPEG2<br>Up to 2048 x 1152 @ 60Hz  |
| <b>Ethernet</b>          | Dual Display   |
| <b>Audio</b>             | 1x HDMI 1.4a for HD video playback, 1080P at 60Hz<br>1x VGA  |
| <b>IO Interface</b>      | œœ2x 10/100/1000 Mbps Intel i210 GbE, support Wake On Lan<br>œœ2x RS232 ports, 2x RS-232/422/485 port with auto flow control<br>1 x USB 3.0, 3 x USB 2.0   |
| <b>Whatchdog Timer</b>   | 255 levels timer interval, setup by software   |
| <b>Expansion</b>         | 1 x full size Mini PCIe with SIM holder #1<br>Supports 1x SATA 2.5" HDD Bay (Compatible with 12.5mm height HDD) (Max. Data Transfer Rate 300 MB/s)<br>1 x full size mSATA socket, with USB signal co-lay                                   |
| <b>Storage</b>           | ATX 9-36V(Minimum 18Watt)  |
| <b>Power Requirement</b> | 7,3W - 13,3W   |
| <b>Power Consumption</b> | - Aluminum housing<br>- Din-Rail mounting, Desk/wall-mounting, VESA mounting<br>- 264.5 x 68.4 x 133.0 mm (10.41" x 2.69" x 5.24")<br>- 2.3 kg<br>With extended temperature peripherals: -20 ~ 70° C (-4 ~ 158° F)<br>with 0.7m/s air flow |
| <b>Mechanical</b>        | With 2.5-inch hard disk 0 ~ 45° C (32 ~ 112° F) with 0.7m/s air flow   |
| <b>Temperatures</b>      | Storage: -40 ~ 85° C (-40 ~ 185° F)  |
| <b>Vibration / Shock</b> | With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.<br>With SSD: 30 G, IEC 60068-2-27, half sine, 11 ms duration<br>œœ CE/FCC Class A, CCC, BSMI  |
| <b>EMC / Safety</b>      | UL, CB, CCC, BSMI  |
| <b>Operating System</b>  | WES8, Windows 8, WES7, Windows 7   |