



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 PCle expansion with SIM holder for communication module

**CPU** 

- mSATA and 1 x 2.5" SATA storage device
- Advantech iDoor module compatible
- Advantech EMIO miniPCle module compatible with all-in-one ordering

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

## Advantech ARK-2121L-U0A1E (Intel Celeron J1900) [FANLESS]

[http://www.cartft.com/catalog/il/3129]



DirectX 11.1, OCL 1.2, OGL 3.2

Encode: H.264, MPEG2/4, VC1, WMV9

Decode: H.264, MPEG2 Up to 2048 x 1152 @ 60Hz

**Graphics** 

**Dual Display** 

1x HDMI 1.4a for HD video playback, 1080P at 60Hz

1x VGA

EthernetŒŒ2x 10/100/1000 Mbps Intel i210 GbE, support Wake On LanAudioRealtek ALC888S, High Definition Audio. Line-out, Mic-in, Line-inŒŒ2x RS232 ports, 2x RS-232/422/485 port with auto flow control

1 x USB 3.0, 3 x USB 2.0

Whatchdog Timer 255 levels timer interval, setup by software Expansion 1 x full size Mini PCle with SIM holder #1

Supports 1x SATA 2.5" HDD Bay (Compatible with 12.5mm height

Storage HDD) (Max. Data Transfer Rate 300 MB/s)

1 x full size mSATA socket, with USB signal co-lay

Power Requirement ATX 9-36V(Minimum 18Watt)

Power Consumption 7,3W - 13,3W

- Aluminum housing

- Din-Rail mounting, Desk/wall-mounting, VESA mounting

- 264.5 x 68.4 x 133.0 mm (10.41" x 2.69" x 5.24")

- 2.3 kg

With extended temperature peripherals: -20 ~ 70° C (-4 ~ 158° F)

with 0.7m/s air flow

**Temperatures** With 2.5-inch hard disk  $0 \sim 45^{\circ}$  C ( $32 \sim 112^{\circ}$  F) with 0.7m/s air flow

Storage: -40 ~ 85° C (-40 ~ 185° F)

With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.

With SSD: 30 G, IEC 60068-2-27, half sine, 11 ms duration

ŒŒ CE/FCC Class A, CCC, BSMI

**EMC / Safety** 

Vibration / Shock

UL, CB, CCC, BSMI

Operating System WES8, Windows 8, WES7, Windows 7