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

Graphics	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 Dual Display 1x HDMI 1.4a for HD video playback, 1080P at 60Hz 1x VGA
Ethernet	ŒŒ2x 10/100/1000 Mbps Intel i210 GbE, support Wake On Lan
Audio	Realtek ALC888S, High Definition Audio. Line-out,Mic-in,Line-in
IO Interface	ŒŒ2x 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 PCIe with SIM holder #1
Storage	Supports 1x SATA 2.5" HDD Bay (Compatible with 12.5mm height 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
Mechanical	- 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
Temperatures	With extended temperature peripherals: -20 ~ 70° C (-4 ~ 158° F) with 0.7m/s air flow With 2.5-inch hard disk 0 ~ 45° C (32 ~ 112° F) with 0.7m/s air flow Storage: -40 ~ 85° C (-40 ~ 185° F)
Vibration / Shock	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
EMC / Safety	ŒŒ CE/FCC Class A, CCC, BSMI UL, CB, CCC, BSMI
Operating System	WES8, Windows 8, WES7, Windows 7