



Palm-size Fanless Intelligent System

Resource Efficiency Expert

Small Footprint, with Big Savings on Power, Space, and Money

In the 21st century, the ubiquitous Internet of Things (IoT) is generating many new applications that bring us greater comfort, convenience and efficiency. Examples include digital signage information systems, bus arrival time prediction systems, parking service systems, etc. Enabling these applications efficiently becomes an important issue. With many years' accumulated knowledge and experience in industrial computers, Advantech now introduces the world's smallest fanless intelligent system, ARK-1122 series, which strikes an excellent balance between performance, low power, I/O extendibility and remote management technology.



ARK-1122 Series Feature Highlights:

- Intel® Atom™ N2600 1.6 GHz /N2800 1.8 GHz processor and NM10 chipset
- Supports DDR3 SODIMM up to 4 GB
- Supports 2.5" SATA HDD and/or mSATA
- Supports independent dual displays (VGA + HDMI)
- Up to 2 x Intel 82583V GbE connectors (supports WOL)
- Up to 2 x RS-232 and 2 x RS-232/422/485 ports (selected in BIOS)
- Up to 2 mini-PCIe expansion with SIM holder for communication module
- Lockable DC jack and supports 12V DC input
- Supports -20 ~ 60° C wide temperature with 0.7m3/second air flow
- Supports Advantech SUSIAccess for Remote Device Management


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Superior Design for Embedded Markets



Resource Saving

- Power saving : 10W system power consumption
- Time saving : Ready to go integrated solution
- Cost saving : Lower total cost of ownership



Superior Mechanical Enhancements

- Easy integration by optional VESA, DIN-Rail and wall mount kits
- Lockable DC Jack keeps power connection secure
- Ruggedized design for easy deployment in limited spaces



Application Focus Designs

- Independent VGA+HDMI dual displays for digital signage
- 20 ~ 60° C wide temperature support for critical environment
- Integrated Wi-Fi, 3G and 2 GbE functions for data transmission

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Intelligence Built In

- Smart remote management with centralized monitoring, integrated remote configuration and on-click system recovery.
- All in one system (ARK-1122HS) with WES7, McAfee and Acronis built in for instant use.

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Packing List & Optional Accessories

Optional Accessories

Accessories	Part Number	Description	Remark
WiFi Module	EWM-W151H01E	802.11bgn RTL8188EE 1T1R, 1-connector	- 2012/E ~ 2015/M
	1750006043	Cable R/P SMA (M) to MHF 1.32 150mm	- 0 ~ 80C temperature support
	1750000318	Antenna 2DBI 2.4GHz SMA Connector	- Compatible for ARK-1122H/C/F
Cellular Module	EWM-C109F601E	- 3.75G UMTS/HSPA, LISA-U200- 01S, 6-band WCDMA - Quad-band GSM/GPRS/EDGE, voice function - On-board SIM Slot	- 2011/B ~ 2017/E (7-year longevity)
	1750006264	Cable SMA(F)/MHF 15cm	- -40 ~ 85C wide temperature
	1750000000	Antenna L=10.9cm 50Ohm	- Compatible for ARK-1122F only

DIN-rail Mount	AMK-R001E	ARK-11XX Series DIN-rail Mount kit	
VESA Mount	AMK-V003E	ARK-11XX Series VESA Mount kit	
Wall Mount	ARK-W001E	ARK-11XX Series Wall Mount kit	

OS Support

OS Part Number	Description
2070011879	Image WES7E V5.1.4 ENG; SA (ARK-1122H & ARK-1122F)
2070011881	Image WES7E V5.1.4 ENG; SA (ARK-1122C)
2070012054 968EMLSA2P	Image WES7E (Eng/Jpn/Chs/Cht/Spain) + SUSIAccess Pro (ARK-1122H & ARK-1122F)



Contact Advantech

For more info on these products, please call our toll free-line **1-800-866-6008** or email us at ECGInfo@advantech.com .



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