

# アドバンテック ファンレス堅牢PC

OKAMOTO

2021年5月26日

岡本無線電機  
アプリケーション部

# Transforming Ideas to Solutions

with reliability, flexibility and quick integration services

## Fanless Design

Excellent passive cooling for dusty environment operation.  
High stability and outstanding MTBF.



## Wide Range Power Input

From **9V** to **36V** to fulfill different applications

## Superior Thermal Design

Patented thermal design for Core i computing solution.

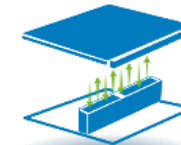


## Anti-Vibration

Mechanical protection up to **5G** vibration and **30G** shock

## Wide Range Temperature

From **-30°C** to **70°C** with certified industrial grade components



## Modular Design

Supports various expansion capabilities with I/O, display, communication or customized interfaces.



## EMC & Safety Certifications

CE FCC CCC UL CB

# Innovative Modular Design System



Interchangeable, stackable, 1500+ combinations

○ Ultra Small

○ Compact

○ Rich Expansion

○ Vertical

Power Module

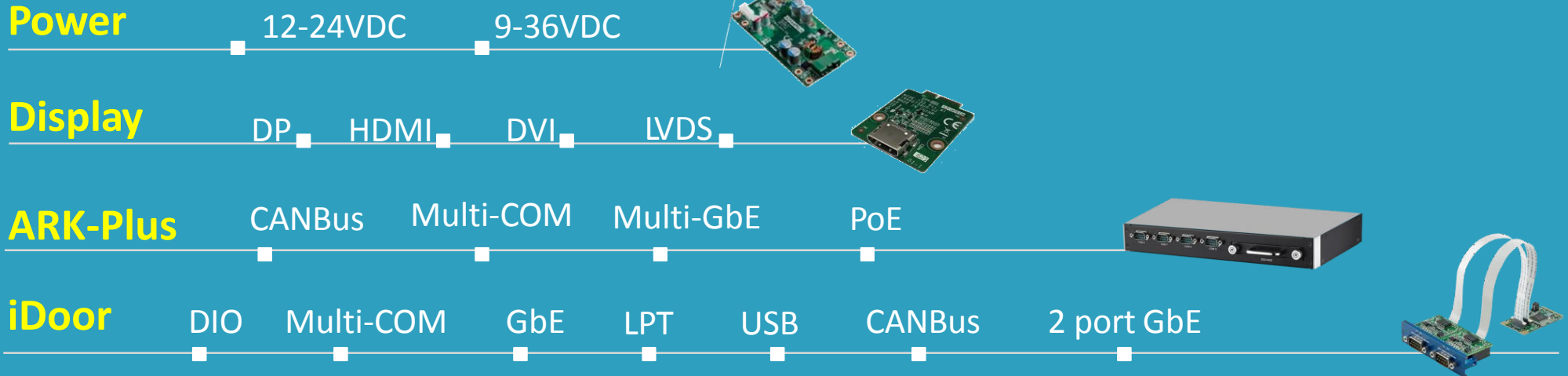
ARK-Plus Module

Display Module

Riser Card



# Modular Design System Roadmap



## EBC Product Line Performance

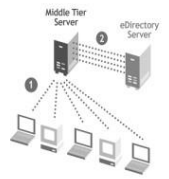
### ARK-3000 Performance



	MP Model	Max. Slot expansions	Certified configurations
KBL-S	ARK-3530	2	150+
SKL-H	ARK-3520	3	130+
IVB-H	ARK-3500/3510	2	3



Transportation



IoT  
Middle Server

### ARK-2000 Compact



	MP Model	Certified Configurations	WiFi Certified
SKL-U	ARK-2250L	260+	FCC, RED
APL	ARK-2232L	90+	N/A
BYT	ARK-2230L/2121	70+	N/A



Retail



Equipment

### ARK-1000 Small Size



	MP	Certified Configurations	WiFi Certified
HW-U	ARK-1550	4	N/A
APL	ARK-1124 ARK-1220	210+	N/A
BYT	ARK-1123	4	FCC, RED



Retail



Automation

## 2020 Upcoming New Product Highlights



**ARK-1220F**  
Ultra Small Series

- ✓ Intel APL N4200 QC processor
- ✓ Isolated LAN, COM & DIO with 2.5KV
- ✓ Front-side I/O for in cabinet installation
- ✓ Wide range 12~28VDC in
- ✓ Heavy industrial Certificate

Jun, 20



**ARK-1551**  
ULV Slim Series

- ✓ Intel 8<sup>th</sup> gen. U series core i5
- ✓ Dual Channel DDR4 up to 32GB
- ✓ Versatile IO up to 4x COM, 4x USB
- ✓ Swappable 2.5" SATA SSD
- ✓ Wide range 12~24VDC in

Apr, 20



**ARK-3531**  
Compact Desktop Core i

- ✓ Intel 9<sup>th</sup> gen Desktop Core i 35W CPU
- ✓ Dual channel DDR4 up to 32GB
- ✓ Up to 4x GbE, 8x COM, 8x USB 3.0
- ✓ Support 2 x 2.5" RAID 0/1 support
- ✓ Wide range 9~36VDC in

Jul, 20

# EBC 2019 Star Products



## ARK-3530

### Server/Desktop 65W fanless Box

- ✓ Intel 7<sup>th</sup> gen Desktop Core i7 & Xeon E3 CPU
- ✓ Dual channel DDR4 up to 32GB
- ✓ Versatile IO Up 4xGbE, 8x USB and 4 x COM
- ✓ Essential IO on L SKU and multi-slot expansion on F SKU
- ✓ Support 4 x 2.5" storage devices



## ARK-2232L

### Stackable Modular with more than 60 I/O combination

- ✓ Intel APL E3940 Processor
- ✓ Dual HDMI with 4K resolution support
- ✓ Support I-door and stackable ARK-Plus expansion



## ARK-1220

### Compact DIN-rail mount system

- ✓ Intel APL N3350 & E3940 processor
- ✓ DDR3L 8GB memory support
- ✓ Single I/O bezel for in cabinet installation
- ✓ Wide range 12~28VDC in
- ✓ Dual HDMI, dual GbE

# Xeon E3/6th gen/7th Gen Desktop Performance



## ARK-3530L

- ✓ Lite functionality version with no expansion slot
- ✓ 12VDC in
- ✓ 2 x external accessible 2.5" drive bay & 2 x mSATA



## ARK-3530F

- ✓ Standard SKU with 2 x PCI slot
- ✓ Can support two PCIe x 8 by optional riser card
- ✓ 9-36VDC wide range power



## AIR-300

### For 2080Ti GPU card

- ✓ For one 2080Ti GPU card integration
- ✓ 850W power supply equipped
- ✓ Up to 4 x 2.5" drive bay

## Successful Stories

### Cross-system Integration of an Intelligent Factory



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### Empower Automated Optical Inspection for Automobile Factory



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### Increasing Productivity with Integrated Solutions



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### Go Live with High Quality Video Streaming



[View Online](#)

### Enable Real-time Video for Ambulance Telemedicine



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### Enhancing Security with Mobile Video Surveillance



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OKAMOTO ELECTRONICS CORPORATION

<http://www.okamotonet.co.jp/>