

第四代 Intel® Core i5 4300U / Celeron 2980U SoC ， 车载全高清 NVR 带 4xPoE

接口无风扇嵌入式工控机

Part Number	ARK-215TV-S641E	ARK-215TV-S841E
<b>Processor</b>		
CPU	Intel Celeron 2980U Dual Core	Intel 4th Gen Core i5-4300U Dual Core
Core Number	2	2
Frequency	1.6 GHz	1.9 GHz
L3 Cache	2 MB	3 MB
BIOS	AMI EFI 128Mbit	AMI EFI 128Mbit
<b>Memory</b>		
Technology	DDR3L 1333 MHz	DDR3L 1600 MHz
Max. Capacity	8 GB	8 GB
Socket	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
<b>Graphics</b>		
Chipset	HD Graphics	GT2-4400 Graphics
Graphic Engine	DirectX11.1, OpenGL 4.0, and OpenCL 1.2,Full AVC/VC1/MPEG2 HW Decode	DirectX11.1, OpenGL 4.0, and OpenCL 1.2,Full AVC/VC1/MPEG2 HW Decode
VGA	Up to 1920 x 1200 with 60 Hz, 154 MHz pixel clock rate	Up to 1920 x 1200 with 60 Hz, 154 MHz pixel clock rate
HDMI	Lockable HDMI connector, up to 4K at 24 Hz	Lockable HDMI connector, up to 4K at 24 Hz
<b>Audio</b>		
Main System	Realtek ALC885, High Definition Audio (HDL), Line-in, Line out, Mic-in	Realtek ALC885, High Definition Audio (HDL), Line-in, Line out, Mic-in
<b>Ethernet</b>		
LAN1	10/100/1000 Mbps Intel i218 GbE, support Wake on LAN	10/100/1000 Mbps Intel i218 GbE, support Wake on LAN
LAN2	10/100/1000 Mbps Intel i210-IT, support Wake on LAN	10/100/1000 Mbps Intel i210-IT, support Wake on LAN
<b>I/O Interface</b>		
Power over Ethernet, PoE	N/A	4 x 10/100 Mbps - 4ports full-load, IEEE802.3af Class 2 (7Watt) - 2ports full-load, IEEE802.3af Class 3 (15.4Watt)
Serial Port	2 x RS-232/422/485 ports w/ 3KV isolation (support auto flow control, jumper selectable)	N/A
Optional COM or CANBus	2 x DB9 connectors for RS-232/422/485 signal (Default) or CANBus 2.0A/B (Module option)	2 x DB9 connectors for RS-232/422/485 signal (Default) or CANBus 2.0A/B (Module option)
USB Interface	2 x USB 2.0 & 2 x USB3.0	2 x USB 2.0 & 2 x USB3.0
GPIO	6 x DI & 2 x DO w/ 3KV isolation Input Voltage: 0 to 30 VDC, Output Current: Max. 500 mA per channel On-state Voltage: 24 VDC nominal, open collector to 30 VDC	6 x DI & 2 x DO w/ 3KV isolation Input Voltage: 0 to 30 VDC, Output Current: Max. 500 mA per channel On-state Voltage: 24 VDC nominal, open collector to 30 VDC
<b>Other</b>		
GPS	On board standalone GPS, support GPS, GLONASS, GALILEO and QZSS signals	On board standalone GPS, support GPS, GLONASS, GALILEO and QZSS signals
G-Sensor	On board high resolution G-Sensor, up to 13-bit resolution at ± 16g	On board high resolution G-Sensor, up to 13-bit resolution at ± 16g
Watchdog Timer	255 levels timer interval, setup by software	255 levels timer interval, setup by software
<b>Expansion</b>		
Mini PCIe #1	Full-size Mini PCIe, support mSATA	Full-size Mini PCIe, support mSATA
Mini PCIe #2	Half-size Mini PCIe, support WLAN module	Half-size Mini PCIe, support WLAN module
Mini PCIe #3	Full-size Mini PCIe w/SIM holder, support WWAN module	Full-size Mini PCIe w/SIM holder, support WWAN module
Mini PCIe #4	Full-size Mini PCIe w/SIM holder, support WWAN module	Full-size Mini PCIe w/SIM holder, support WWAN module
<b>Storage</b>		
2.5" Drive Bay	1 x removable 2.5" drive bay (Max 9.5mm height)	1 x removable 2.5" drive bay (Max 9.5mm height)
mSATA	Leverage MiniPCIe #1 slot	Leverage MiniPCIe #1 slot
<b>Software Support</b>		
Microsoft Windows	WES1, WES7, Windows 8, Windows 7	WES1, WES7, Windows 8, Windows 7
Linux	Support by project	Support by project
<b>Power</b>		
Power Type	AT/ATX	AT/ATX
Input Voltage	9 - 36 VDC w/Isolation	9 - 36 VDC w/Isolation
Power Ignition Management	Selectable boot-up & shut-down voltage, on/off delay time	Selectable boot-up & shut-down voltage, on/off delay time
Isolation	1.5KV Isolated	1.5KV Isolated
<b>Mechanical</b>		
Construction	Aluminum housing, Silver	Aluminum housing, Silver
Mounting	Din-Rail mounting, Desk/wall-mounting, VESA mounting	Din-Rail mounting, Desk/wall-mounting, VESA mounting
Dimensions	264.5 x 75.1 x 133.0 mm (10.41" x 2.96" x 5.24")	264.5 x 75.1 x 133.0 mm (10.41" x 2.96" x 5.24")
<b>Environment</b>		
Operating Temperature	With extended temperature peripherals: -20 ~ 60° C with 0.7m/s air flow, With standard temperature peripherals: 0 ~ 45° C with 0.7m/s air flow	With extended temperature peripherals: -20 ~ 60° C with 0.7m/s air flow, With standard temperature peripherals: 0 ~ 45° C with 0.7m/s air flow
Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
Relative Humidity	95% @ 40° C (non-condensing)	95% @ 40° C (non-condensing)
Vibration/Shock	With mSATA/SSD: IEC 60721-3-5 Class SM3	With mSATA/SSD: IEC 60721-3-5 Class SM3
<b>Regulation</b>		
EMC	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI
Safety	UL, CCC, BSMI, E-Mark (E13)	UL, CCC, BSMI, E-Mark (E13)
In-Vehicle Power	ISO7637-2 Lev4	ISO7637-2 Lev4