High Performance Fanless Embedded Box PCs

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Selection Guide

Model Name		ARK-3500	ARK-3510
Processor System	CPU	3rd gen' Intel Core i i7-3610QE/i5-3610ME/i3-3120ME/Celeron 1020E rPGA988 socket type processor support	
	Frequency	2.3 GHz/2.7 GHz/2.4 GHZ/2.2 GHz	
	Core Number	4/2/2/2	
	Chipset	Intel QM77	
Memory	Technology	DDR3/DDR3L 1600MHz	
	Max. Capacity	16GB	
	Socket	2x204-pin SODIMM	
Display	Graphic Engine	DirectX11, OpenGL 3.1, and Open CL 11; Hardware decode acceleration: AVC/H.264, MPEG-2, VC-1	
	VGA	VGA integrated in DVI-I port	
	HDMI	HDMI: HDMI 1.4, 1920 x 1200 @ 60Hz	
	DVI	DVI-I: 1920 x 1200 @ 60 Hz	
	DisplayPort	Display port: 2560 x 1600 @ 60Hz (Video only, and only on 3rd gen' processor)	
Expansion Interface	Mini PCIe	2 x Full-size Mini PCIe (Supports mSATA)	2 (share with mSATA), with SIM
	SIM Socket	2	
	PCI	2 slots, ARK-3500P	-
	PCI Express x 4	1 slot, ARK-3500F	-
	PCI Express x 1	1 slot, ARK-3500F	-
	MIOe	-	Supported
Ethernet	Controller	GbE1: Intel 82579LM GbE2 : Intel I-210IT	
	Speed	10/100/1000Mbps	10/100/1000Mbps
Audio	Audio Interface	HD Audio	
	Connector	Line out, Mic in	
Storage	SATA	2 x 2.5"" SATAIII HDD bay (Fixed type)	2 x 2.5"" SATAIII HDD bay (Removable type)
	mSATA	2 (Share with mini-PCIe)	
	CompactFlash/ CFast	1 CFast	
I/O	USB3.0	4	
	USB2.0	2	
	GPIO	16-bit	8- bit DIO (Optional)
	COM Port	4 x RS232, 4 x RS232/422/485	2 x RS-232, 2 x RS232/ 422/485
Power	Power Type	ATX, AT	
	Power Supply Voltage	9 V_{DC} ~ 34 V_{DC}	12 V_{DC}, ± 10% (optional 9 ~ 34 V_{DC})
	Connector	4pin terminal block	Lockable DC jack
	Power Adaptor	120W (optional)	Lockable AC to DC, 84W (Optional)
Environment	Operating Temperature (air flow 0.7 m/sec)	With SSD: -10 ~ 60° C With HDD: 0 ~ 40° C	
	Vibration Resistance	With SSD: 5 Grms With HDD: 1 Grms	With SSD: 3Grms With HDD : 1 Grms
Physical Characteristics	Dimensions (W x H x D)	290 x 110 x 232 mm	290 x 90 x 232 mm
Operating System	Microsoft Windows	Windows 8 , Windows 7, XP Professional (32bit), XP Embedded (32bit)	
	Linux	Yes	
APIs	SUSIAccess	Yes	
	iManager	Yes	
	Others	Intel AMT 8.0, McAfee, Acronis	
Certification	EMC	CE, FCC, CCC, BSMI	
	Safety Certifications	CB, UL, CCC, BSMI	