



3.5" SBC Form Factor
Intel KabyLake-U / Skylake-U

PD11KS



All Solid
Capacitor



Intel KBL-U



MiniCard Support



USB 3.0
X4



DC-in 8V-24V



RS232 x 4

Features

Intel KabyLake / Skylake ULV Core i3 / i5 / i7 Processor

Intel HD graphics and DirectX 12 support

Dual channel DDR4 with two connectors for MAX. 32GB memory

Triple independent display from HDMI, DP, and eDP / LVDS connectivity

Features high speed Dual Gigabit Ethernet

Features 1 SATA 6 Gb/s

Four SuperSpeed USB 3.0 ports support

Three RS232 + One RS232/422/485 ports

One PCI Express Mini Card connector for expansion

One M.2 2232 (E key) for expansion

8 V to 24 V wide-range voltage input



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Item	Spec	
Form Factor	3.5" single board computer, 102mm x 147mm (4" x 5.8")	
Processor Chipset	Intel Kaby Lake-U i3-7100U with integrated graphics (Compatible with Skylake 3955U / i3-6100U / i5-6300U / i7-6600U and KabyLake 3965U / i5-7300U / i7-7600U)	
Main Memory	<ul style="list-style-type: none"> ● 260-pin DDR4 SO-DIMM slot ● Max capacity up to 32GB 	2
Audio Controller	Realtek ALC283	
Expansion Capability	<ul style="list-style-type: none"> ● M.2 2230 (E Key) with (PCIe x 1 / USB 2.0) 	1
	<ul style="list-style-type: none"> ● Mini PCIe (full length, USB / PCIe / SATA) 	1
External I/O	<ul style="list-style-type: none"> ● HDMI-out 	1
	<ul style="list-style-type: none"> ● Display port 	1
	<ul style="list-style-type: none"> ● USB 3.0 	4
	<ul style="list-style-type: none"> ● RJ-45 	2
	<ul style="list-style-type: none"> ● Audio combo jack (Mic-in and Line-out) 	1
	<ul style="list-style-type: none"> ● LVDS Connector (40Pin) (colay eDP) 	1
	<ul style="list-style-type: none"> ● 7-pin SATA connector 	1
	<ul style="list-style-type: none"> ● 4-pin SATA power 	1
	<ul style="list-style-type: none"> ● USB 2.0 port 	2
	<ul style="list-style-type: none"> ● RS-232 	3
Internal I/O	<ul style="list-style-type: none"> ● RS-232/422/485 	1
	<ul style="list-style-type: none"> ● Audio header supporting system stereo speaker or buzzer 	1
	<ul style="list-style-type: none"> ● MiAPI header (Programmable header (support GPIO x 10, SMBUS x 1, UART x 1, Watchdog x 1) with API library supported for Windows OS) 	1
	<ul style="list-style-type: none"> ● Chassis front panel header 	1
	<ul style="list-style-type: none"> ● DC power input header (4pin) 	1
	<ul style="list-style-type: none"> ● Clear CMOS header 	1
	<ul style="list-style-type: none"> ● AT / ATX mode select header 	1
SI/O Controller	NCT6104D	
LAN Controller	<ul style="list-style-type: none"> ● 1 x I219LM, 1 x I211AT 	
BIOS	AMI UEFI	
Hardware Management	<ul style="list-style-type: none"> ● Nuvoton NCT6104D based subsystem, including: ● Voltage sense to detect out of range power supply voltages ● Thermal sense to detect out of range thermal values 	
	Environment	<ul style="list-style-type: none"> ● Operating Temperature: 0°C~60°C (32°F~140°F) ● Storage Temperature: -20°C~80°C (-4°F~140°F) ● Relative Humidity: 95% @60°C non-condensing
Certification	<ul style="list-style-type: none"> ● CE ● FCC 	
	Operating System	<ul style="list-style-type: none"> ● Skylake: win7, win8.1, win10, linux support by request ● KabyLake: win10, linux support by request
SKU Configuration	<ul style="list-style-type: none"> ● SKU-D1: MB + Heatsink (Default) 	
	<ul style="list-style-type: none"> ● SKU-D2: MB + Heat Spreader ● SKU-D3: MB 	
	Thermal Solution	<ul style="list-style-type: none"> ● Heatsink (Default) ● Heatspreader (Optional)

Packing List

- PD11KS Mainboard
- Driver CD
- Quick Guide
- SATA Power Cable
- SATA Signal Cable