

3.5" SBC From Factor
Intel Kaby Lake-U

PD10KS



All Solid
Capacitor



Intel KBL-U



MiniCard Support



USB3.0
X4



DC-in 8V-24V



RS232 x 4

Features

Intel Kaby Lake 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 HD-Out, VGA, and
Embedded Display-Port* / LVDS connectivity

Features high speed Dual Gigabit Ethernet

Features 1 SATA 6Gb/s

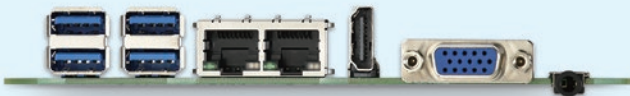
Four SuperSpeed USB3.0 ports support

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, 102 mm x 147 mm (4" x 5.8")	
Processor Chipset	Intel Kaby Lake-U i5-7300U with integrated graphics (Compatible with 3955U / i3-6100U / i5-6300U / i7-6600U and 3965U / i3-7100U / i7-7600U)	
Main Memory	<ul style="list-style-type: none"> • 2 x 204-pin DDR4 SO-DIMM slot • Max capacity up to 32GB 	
Audio Controller	Realtek ALC283	
Expansion Capability	• M.2 2230 (E Key) with (PCIe x 1 / USB 2.0)	1
	• Mini PCIe (full length, USB / PCIe / SATA)	1
External I/O	• HDMI-out	1
	• VGA	1
	• USB 3.0	4
	• RJ-45	2
	• Audio combo jack (Mic-in and Line-out)	1
Internal I/O	• LVDS / eDP	1
	• 7-pin SATA connector	1
	• 4-pin SATA power	1
	• USB 2.0	2
	• RS-232	3
	• RS-232 / 422 / 485	1
	• Audio header supporting system stereo speaker or buzzer	1
	• MiAPI header	1
• Chassis front panel header	1	
SI/O Controller	NCT6104D	
LAN Controller	• 1 x I219LM, 1 x I211AT	
BIOS	AMI UEFI	
Hardware Management	• Nuvoton NCT6104D based subsystem, including:	
	<ul style="list-style-type: none"> • Voltage sense to detect out of range power supply voltages • Thermal sense to detect out of range thermal values 	
Environment	• 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 	

Packing List

- PD10KS Mainboard
- Driver CD
- Quick Guide
- SATA Power Cable
- SATA Signal Cable