

3.5" SBC From Factor  
Intel Kaby Lake-U

# PD11KS



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, DP, and Embedded Display-Port\* / LVDS connectivity

Features high speed Dual Gigabit Ethernet

Features 1 SATA 6Gb/s

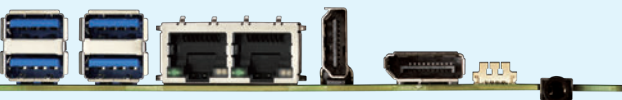
Four SuperSpeed USB3.0 ports support

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



[www.mitac.com](http://www.mitac.com)



Item	Spec	
<b>Form Factor</b>	3.5" single board computer, 102 mm x 147 mm (4" x 5.8")	
<b>Processor Chipset</b>	Intel Kaby Lake-U i5-7300U with integrated graphics (Compatible with 3955U / i3-6100U / i5-6300U / i7-6600U and 3965U / i3-7100U / i7-7600U)	
<b>Main Memory</b>	<ul style="list-style-type: none"> <li>• 2 x 260-pin DDR4 SO-DIMM slot</li> <li>• Max capacity up to 32GB</li> </ul>	
<b>Audio Controller</b>	Realtek ALC283	
<b>Expansion Capability</b>	• M.2 2230 (E Key) with (PCIe x 1 / USB 2.0)	1
	• Mini PCIe (full length, USB / PCIe / SATA)	1
<b>External I/O</b>	• HDMI-out	1
	• Display port	1
	• USB 3.0	4
	• RJ-45	2
	• Audio combo jack (Mic-in and Line-out)	1
<b>Internal I/O</b>	• 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
<b>SI/O Controller</b>	NCT6104D	
<b>LAN Controller</b>	• 1 x I219LM, 1 x I211AT	
<b>BIOS</b>	AMI UEFI	
<b>Hardware Management</b>	• Nuvoton NCT6104D based subsystem, including:	
	• Voltage sense to detect out of range power supply voltages	
	• Thermal sense to detect out of range thermal values	
<b>Environment</b>	• 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	
<b>Certification</b>	• CE	
	• FCC	

## Packing List

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