



589.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel Kabylake-U !
- 2x Gigabit LAN !
- Fanless !
- 3x RS232 !



**Support:**  [Specifications](#) | [MiAPI](#)

S310-11KS is a fanless box pc, powered by the 7th gen Kabylake-U performanceenhanced processor. The whole system is 1.5 liter size but still with versatile I/O aiming to adapt it in different environments and wide applications.

Long term availability until at least 2023 !

For a full PC you need in addition :

- mSATA SSD oder 2.5" HDD/SSD
- RAM

## SYSTEM

### CPU

7th Generation Kabylake Intel® Core™ i ULV Processor  
(Default: i3-7100U; Compatible with i7-7600U, i5-7300U, Celeron 3965U)

Option: 6th Generation Skylake Intel® Core™ i ULV Processor  
(Compatible with i7-6600U, i5-6300U, i3-6100U, Celeron 3955U)

Intel® SoC integrated

### CHIPSET

### SYSTEM MEMORY

DDR4 2133/2400, 260-pin SO-DIMM x 2, Max. 32 GB (Non-ECC)

### GRAPHICS

Intel® HD Graphics

### DISPLAY INTERFACE

DP, HDMI

### STORAGE SLOT

2.5 HDD/SSD x 1 (Default w/ SATA and SATA Power Cable in Accessories)

mSATA x 1

### ETHERNET

Intel® I219LM Giga LAN + I211AT Giga LAN

### AUDIO

Realtek ALC283

### I/O CHIPSET

Nuvoton NCT6104D

### TPM

Nuvoton NPCT650ABCYX TPM2.0

|                        |                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSION SLOT         | Storage: PCI Express Full-Length Mini Card slot (USB / PCIe / SATA)<br>Wireless: M.2 2230 E key (PCIe / USB)<br>GPIO x 8 (DB9 Connector)<br>RS-232 x 2                                    |
| FRONT I/O              | RS-232/422/485 x 1<br>USB 2.0 x 2<br>Power Button, Power LED, HDD LED<br>DC-in x 1<br>Audio Combo Jack (Mic-in and Line-out) x 1                                                          |
| REAR I/O               | DP x 1<br>HDMI x 1<br>RJ-45 x 2<br>USB 3.0 x 4<br>SMA Antenna (Option for WiFi function)<br>Temperature Monitor, Voltage Monitor<br>1~255 Steps by Software Program<br>Power LED, HDD LED |
| H/W MONITOR            |                                                                                                                                                                                           |
| WATCHDOG TIMER         |                                                                                                                                                                                           |
| INDICATOR              |                                                                                                                                                                                           |
| POWER REQUIREMENT      |                                                                                                                                                                                           |
| POWER INPUT            | 8~24V Wide Range DC-in Jack Connectivity (Default)<br>8~24V Wide Range DC Input w/ Terminal Block Connectivity (Optional)<br>AC to DC, DC19V/ 3.4A, 65W adaptor                           |
| POWER ADAPTER          |                                                                                                                                                                                           |
| MECHANICAL             |                                                                                                                                                                                           |
| THERMAL DESIGN         | Fanless                                                                                                                                                                                   |
| MOUNTING               | VESA / Wallmount Kit (Default in Accessories)                                                                                                                                             |
| DIMENSIONS (W X D X H) | 7.4" x 5.8" x 2.2" (189.0mm x 147.4mm x 55.0mm)                                                                                                                                           |
| MATERIAL               | Top cover: Aluminum Alloy , Bezel and chassis: Steel                                                                                                                                      |
| ENVIRONMENTAL          |                                                                                                                                                                                           |
| OPERATING TEMPERATURE  | -10~50°C with 0.7m/s Air Flow (w/ Extended Temp. SSD/mSATA/RAM)<br>0~40°C with 0.7m/s Air Flow (w/ Standard Temp.)                                                                        |
| STORAGE TEMPERATURE    | -20~80°C                                                                                                                                                                                  |
| OPERATING HUMIDITY     | 10%~90% (Non-condensing)                                                                                                                                                                  |
| VIBRATION RESISTANCE   | 5Hz~500Hz/ 2Grms/ 3Axis (Non-operating)                                                                                                                                                   |
| SHOCK RESISTANCE       | 120G, 2ms Duration (Non-operating)                                                                                                                                                        |
| CERTIFICATION          | CE & FCC                                                                                                                                                                                  |
| OS                     |                                                                                                                                                                                           |
| OS SUPPORT             | KBL-U: Windows® 10, Linux support by request<br>SKL-U: Windows® 10, Windows® 8.1, Windows® 7, Linux support by request                                                                    |