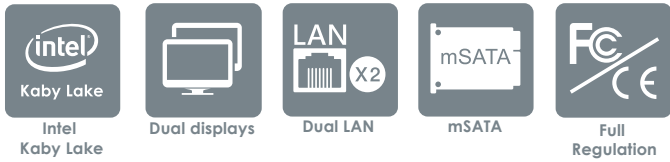


S320-11KS

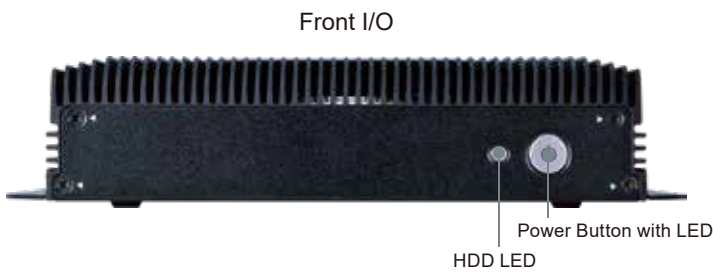
Compact & Embedded System with Intel Kaby Lake / Skylake Processor (up to 3.9GHz), 1 HDMI, 1 DP, 2 GbE LANs, 4 USB, and with 8~24V DC-in



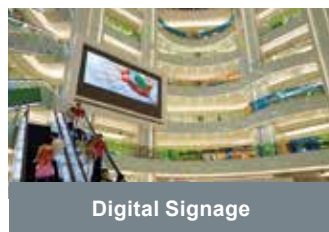
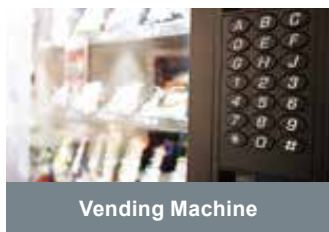
Introduction

S320-11KS is a high performance slim embedded system, powered by the latest Intel Kaby Lake performance-enhanced processor. The whole system is about 1 liter size but still with versatile I/O aiming to adapt it in different environments and wide applications.

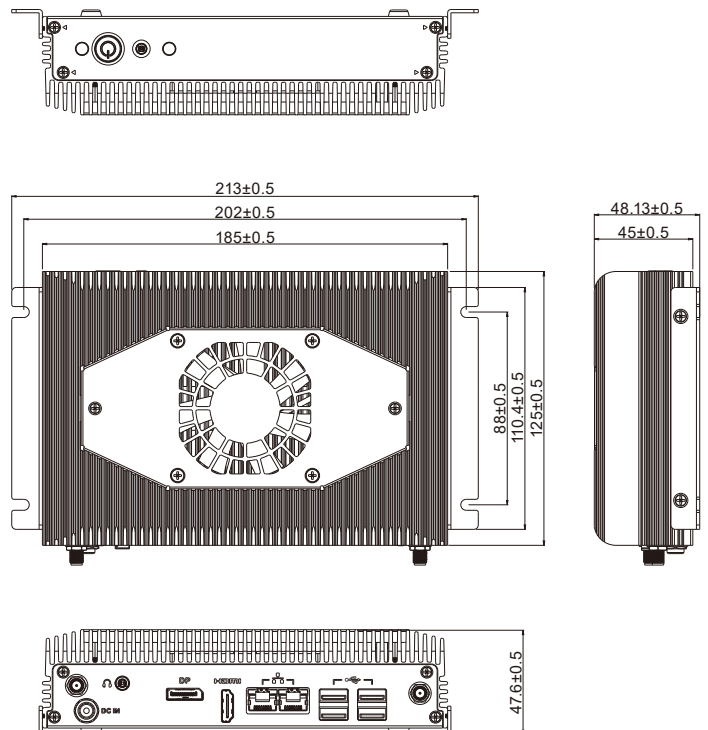
I/O Interface



Application



Dimension (mm)



S320-11KS

Fanless Embedded System

Embedded Box PC

SYSTEM	
CPU	7th Gen Kabylake Intel® Core™ i ULV Processor (Default: i3-7100U; Compatible with i7-7600U, i5-7300U, Celeron 3965U) Option: 6th Gen Skylake Intel® Core™ i ULV Processor (Compatible with i7-6600U, i5-6300U, i3-6100U, Celeron 3955U)
Chipset	Intel® SoC Integrated
System Memory	DDR4 2133/2400, 2 x 260-pin SO-DIMM, Max. 32GB (Non-ECC)
Graphics	Intel® HD Graphics
Display Interface	Display Port 1.2, HDMI 1.4
Storage Slot	1 x mSATA
Ethernet	Intel® I219LM Giga LAN + I211AT Giga LAN
Audio	Realtek ALC283
I/O Chipset	Nuvoton NCT6104D
TPM	Nuvoton NPCT650ABCYX TPM2.0
Expansion Slot	Storage: Mini PCIe Full size (USB / PCIe / SATA) Wireless: M.2 2230 E key (PCIe / USB)
Indicator	Power LED, HDD LED
Front I/O	-
Rear I/O	1 x DC-in Jack 1 x Audio Combo Jack (Mic-in and Line-out) 1 x Display Port 1.2 1 x HDMI .4 2 x RJ-45 4 x USB 3.0 2 x SMA Antenna (Optional for WiFi function)
H/W Monitor	Temperature Monitor, Voltage Monitor
Watchdog Timer	1~255 Steps by Software Program
POWER REQUIREMENT	
Power Input	8~24V Wide Range DC-in Jack Connectivity (Default) 8~24V Wide Range DC Input w/Terminal Block Connectivity (Optional)
Power Adapter	AC to DC, DC19V/3.4A, 65W adapter
MECHANICAL	
Mounting	Wallmount Kit (Default in Accessories)
Dimensions (W x D x H)	7.3" x 4.9" x 1.8" (185mm x 125mm x 45mm)
Material	Top cover: Aluminum Alloy, Bezel and chassis: Steel
ENVIRONMENTAL	
Operating Temperature	0~50°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 ClassA
OS	
OS Support	Kaby Lake-U: Windows® 10, Linux (Support by request) Skylake: Windows® 10, Windows® 8.1, Windows® 7, Linux (Support by request)

Ordering Information

Model Number	Processor	Power	Model Number	Processor	Operating Temperature	Model Number	Processor	Operating Temperature
S320-11KS-3955U	Celeron 3955U	8~24V DC Jack	S320-11KS-6600U	i7-6600U	8~24V DC Jack	S320-11KS-7300U	i5-7300U	8~24V DC Jack
S320-11KS-6100U	i3-6100U	8~24V DC Jack	S320-11KS-3965U	Celeron 3965U	8~24V DC Jack	S320-11KS-7600U	i7-7600U	8~24V DC Jack
S320-11KS-6300U	i5-6300U	8~24V DC Jack	S320-11KS-7100U	i3-7100	8~24V DC Jack			