

IPC-520S Compact Embedded Industrial Computer

Brief Introduction

IPC-520S is a compact embedded industrial computer, support EVOC EC7 Mini-ITX motherboard. In Intel® C236 and H110 platform, it can support 6th/7th Gen LGA1151 Core™/Pentium™/Celeron™ processor and reach up to 128GFLOP/S speed. IPC-520S support full-height, half length add-on card. Its high quality steel structure enable good thermal and anti-vibration performance.

IPC-520S can be widely used in industrial manufacturing, machine vision, ATM, KIOSK and security checking fields.



Features

Compact size

Support EVOC EC7 motherboard

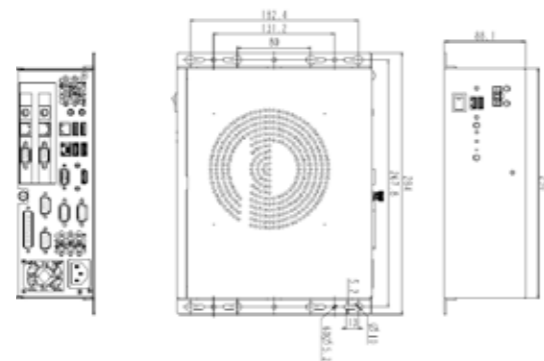
Support H110/C236/BayTrail platform

Multi expansion option

Optional PoE for machine vision

Internal vertical USB 3.0 for encryption device

Product size chart



(Company : MM)

Specifications

Items	Specification	
Chipset	Intel® H110/ C236	Intel® BayTrail
CPU	Intel® 6th/7th Gen Core™ i7/i5/i3, Pentium™, Celeron™, C236 support Xeon™ E3	Intel® Celeron™ J1900
Memory	1 x 288PIN DDR4 DIMM, up to 16G	1 x 204PIN DDR3L SODIMM, up to 8G
Display	VGA+HDMI	
LAN	2 x 10/100/1000Mbps RJ45, optional PoE	
Audio	1 x Mic-in, 1 x Line-out	
Storage	1 x 2.5"HDD/SSD bay (Anti-vibration)	
Mechanical	Anti-vibration: 5-15Hz/1.0mm amplitude; 15-200Hz/1.0g acceleration Anti-shock: 15G, half-sine, pulse width: 11ms	
I/O	Rear: 2 x USB 3.0, 2 x USB 2.0 4 x Serial ports, COM1/COM2 support RS232/422/485 1 x 16ch GPIO with DB44 connector 1 x AC power connector Front: 2 x USB 2.0 Power switch, Reset, LED indicator 1 x remote power on/off phoenix block Internal: 1 x USB 3.0 PIN header 1 x vertical USB 3.0 2 x Serial ports PIN header	Rear: 1 x USB 3.0, 3 x USB 2.0 4 x Serial ports, COM1/COM2 support RS232/422/485 1 x 16ch GPIO with DB44 connector 1 x AC power connector Front: 2 x USB 2.0 Power switch, Reset, LED indicator 1 x remote power on/off phoenix block Internal: 1 x USB 3.0 PIN header 1 x vertical USB 3.0 2 x Serial ports PIN header
Expansion	1 x PCIe16 signal inside, need riser card to enable Optional riser card: 1 x PCIe16 2 x PCIe8 2 x PCI 1 x PCIe8/1 x PCI	1 x PCIe1 signal inside, need riser card to enable Optional riser card: 1 x PCIe16 (x1 signal) 2 x PCI
Power Supply	Mini ATX power supply unit	
OS	Win7, Win8, Win10, Win7E, Linux	
Dimensions	250 x 88.1 x 210 mm (W x H x D)	
Weight	About 6.9kg	
Temperature	Operating: 0 ~ 50 Storage: -20 ~ 60	
Humidity	5% ~ 90% (Non-condensing)	
Reliability	MTBF ≥ 50000h MTTR ≤ 0.5h	
Mechanical	Anti-vibration: 5-17Hz/1.0mm amplitude 17-200Hz/1.0g acceleration Anti-shock: 10g acceleration, 11ms duration Noise: ≤55dB	

Ordering Information

P/N	Model	Description
0010-114851	IPC-520S-01	EC7-1821-H110/i3-6100/4G DDR4/500G HDD/ATX 200W/2LAN/6COM/8USB/VGA/HDMI/16ch GPIO/Audio/1 x PCIe16 signal (Need riser card to enable)
0010-114861	IPC-520S-02	EC7-1821-H110/i5-6500/4G DDR4/1T HDD/ATX 200W/2LAN/6COM/8USB/VGA/HDMI/16ch GPIO/Audio/1 x PCIe16 signal (Need riser card to enable)
0010-114871	IPC-520S-03	EC7-1823/J1900/4G DDR3L/500G HDD/ATX 150W/2LAN/6COM/6USB/VGA/HDMI/16ch GPIO/Audio/1 x PCIe1 signal (Need riser card to enable)
0010-114881	IPC-520S-04	EC7-1821-C236/i7-6700/4G DDR4/500G HDD/ATX 200W/2LAN/6COM/8USB/VGA/HDMI/16ch GPIO/Audio/1 x PCIe16 signal (Need riser card to enable)
0060-005061	Riser Card	2 x PCI
0060-005051	Riser Card	1 x PCIe16
0090-005271	Riser Card	2 x PCIe8
0090-005281	Riser Card	1 x PCIe8, 1 x PCI
0090-005261	PoE Module	To enable PoE function for onboard 2 x LAN