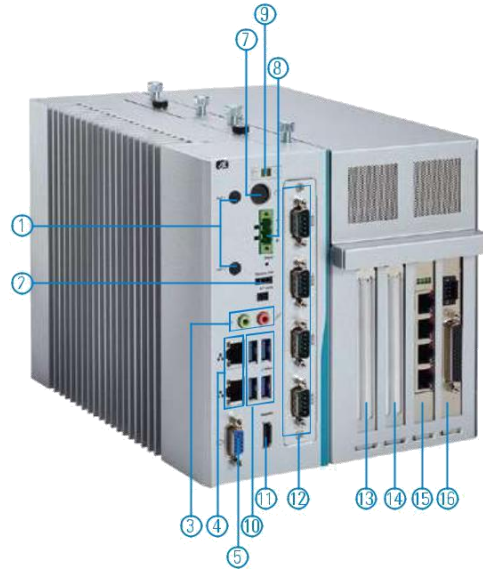


IPS962-512-PoE NEW

Intelligent Platform Barebone System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor (up to 3.4 GHz), Intel® Q170 Chipset

Features

- Integrated real-time vision I/O
 - 4 CH trigger input
 - 4 or 8 CH trigger output
 - 4 CH LED lighting control
 - 1 CH quadrature encoder input
 - 16 CH isolated DIO
 - 1 CH auto measurement function
- Supports camera interfaces
 - 4 IEEE802.3at GbE LAN ports
 - 4 USB3.0 ports
- Flexible design for intelligent platform
- Supports power input: 24 VDC (uMin=19V/uMax=30V)
- Compact & front I/O design
- -10°C to +55°C wide operating temperature range with W.T. SSD
- Supports 2 swappable 2.5" HDD
- Supports optional WLAN module & antenna
- Supports optional TPM 2.0 function



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|----------------------------|-------------------|--|
| 1. Antenna opening x 2 | 7. Power switch | 12. (1) AX93511: 4 x RS-232/422/485 module (default RS-232) |
| 2. Remote switch | 8. Terminal block | (2) AX93512: 2 x RS-232/422/485 with isolated 1.5 kVDC protection & 8-in/8-out with isolated 1.5 kVDC DIO module |
| 3. Mic-in x 1/line-out x 1 | 9. HDD/Power I/F | (3) AX93516: 4 x RS-232/422/485 with isolated 1.5 kV |
| 4. Ethernet x 2 | 10. USB 3.0 x 4 | 13. 1 x PCIe x16 slot |
| 5. VGA | 11. HDMI | 14. 1 x PCIe x4 slot |
| 6. Reset switch | | 15. 4 x GbE LAN ports (IEEE802.3at) |
| | | 16. Real-time vision I/O |



Specifications

Standard Color	Silver	
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP40	
Processor System	CPU Level	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor up to 35W (Kaby Lake/Skylake)
	Max. Speed	3.4 GHz
	Chipset	Intel® Q170
System Memory	2 x DDR4-2133/2400 un-buffered SO-DIMM max. up to 32GB	
System I/O	1 x Switch for power On/Off (ATX)	
	1 x Remote switch	
	1 x Reset switch	
	1 x 3-pin terminal block	
	1 x AI/AIX selectable switch	
	2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT)	
	4 x 10/100/1000 Mbps Ethernet (Intel® i210-AT, IEEE802.3at compliant, total max. power output 60W)	
	4 x USB 3.0	
	1 x HDMI	
	1 x VGA	
Extension System IO Module	AX93511: 4 x RS-232/422/485 module (default RS-232)	
	AX93512: 2 x RS-232/422/485 with isolated 1.5 kVDC protection & 8-in/8-out isolated DIO	
	AX93516: 4 x RS232/422/485 with isolated 1.5 kV	
TPM	TPM 2.0 (optional)	

Vision I/O	- 4 CH trigger input (response time<1us, sink type, input range: 0~30V)
	- 4 or 8 CH trigger output (response time<1us, output voltage: 12V)
	- 4 CH LED lighting control (24V, Max. 0.5A per channel, LED lighting control setting: Duty 50% and duration time 3.5s)
	- 1 CH quadrature encoder input (A/B/Z)
	- 8 CH isolated DI (sink/source type, input range: 0~30V)
	- 8 CH isolated DO (sink type, open collector, supply voltage: 5-30V)
Expansion Interface	- 1 CH auto measurement function (Timer that measures response interval between trigger input and trigger output)
	- Programmable interrupt functions
Storage	1 x PCIe x16 Gen3
	1 x PCIe x4 Gen3
	1 x full-size PCI Express Mini Card slot with USB & PCIe interface
System Indicators	2 x 2.5" swappable HDD (15 mm height) (RAID 0,1)
System Indicators	1 x Power LED
System Indicators	1 x HDD LED
Power Input	Type: ATX/AT Input: 24 VDC (uMin=19V/uMax=30V)
Operating Temperature	1. -10°C ~ +55°C (+14°F ~ +131°F) with 6th gen Intel® Core™ and W.T. HDD or W.T. SSD
	2. -10°C ~ +45°C (+14°F ~ +113°F) with 7th gen Intel® Core™ and W.T. HDD or W.T. SSD
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Dimensions	188.1 mm (7.39") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)
Weight (net/gross)	5 Kg (11.02 lb) / 6.1 Kg (13.45 lb)
Certification	CE compliance

Ordering Information

System	
IPS962-512-PoE	Intelligent platform barebone system with 7th/6th gen Intel® Core™ i7/i5/i3 processor and Intel® Q170
I/O Module	
8816G962020E	AX93511: 4 x RS-232/422/485 IO module (default RS-232) AX93512: 2 x RS-232/422/485 with isolated 1.5 kVDC protection & 8-in/8-out isolated DIO module
8816G962030E	AX93516: 4 x RS-232/422/485 with isolated 1.5 kV AX93519: 1 x 10/100/1000 Ethernet, 2 x USB 3.0 & 2 x RS-232/422/485 (default RS-232) module
726C9620610E	Blank metal cover
Optional	
2.5" SATA HDD/SSD	
DDR4-2133/2400 un-buffered SO-DIMM max. up to 32GB	AX92351: 32-in/32-out isolated 1.5 kV DIO module
826G9620020E / 8816G9621A0E	Wall mount bracket kit
50906D24000E	Adaptor 24V/120W, wire only
E981806008	44-pin DIN-rail terminal board DM44-AP12
E981806013	44-pin D-SUB Cable, L=1m WHDM44/1.0-6954
E981806014	44-pin D-SUB Cable, L=2m WHDM44/2.0-6954
E981806015	44-pin D-SUB Cable, L=3m WHDM44/3.0-6954

Power Protection

DC Version
DVP (over voltage protection)
SCP (short circuit protection)
OCV (over current protection)

Packing List

- 1 x IPS962-512-PoE
- 1 x Driver CD
- 1 x Screw pack
- 4 x Foot pad
- 1 x CPU grease
- 1 x Terminal block
- 1 x Remote power switch cable
- 1 x Holder bracket

Dimensions

