

AEOLUS-TL9-6L2C4P



- 8th-9th Gen Intel® Core™ i7/i5/i3 with Desktop-grade Intel® Z390 chipset, support processor up to 65W TDP;
- Comes with 6 Gigabit LAN, with 4 PoE LAN support IEEE 802.3af standard;
- 2*RS232/RS485 with Digital Capacitive Isolation TVS Surge Protection;
- Integrated 4-channels 12/24V Light Source output, supports external trigger, specialized in machine vision applications;
- Dual M.2 SSD high-speed storage, support high-definition video output;
- Supports 4G/5G/WIFI wireless internet access and enables wireless remote control assistance in various environments;
- Supports DC 19V-30V power supply with strong resistance to current interference;
- Supports multiple installation methods: wall-mounted, vertical, and DIN rail mounting;
- Adopts open grille with built-in cooling fans & copper tube heat dissipation system, ensuring excellent heat dissipation performance;



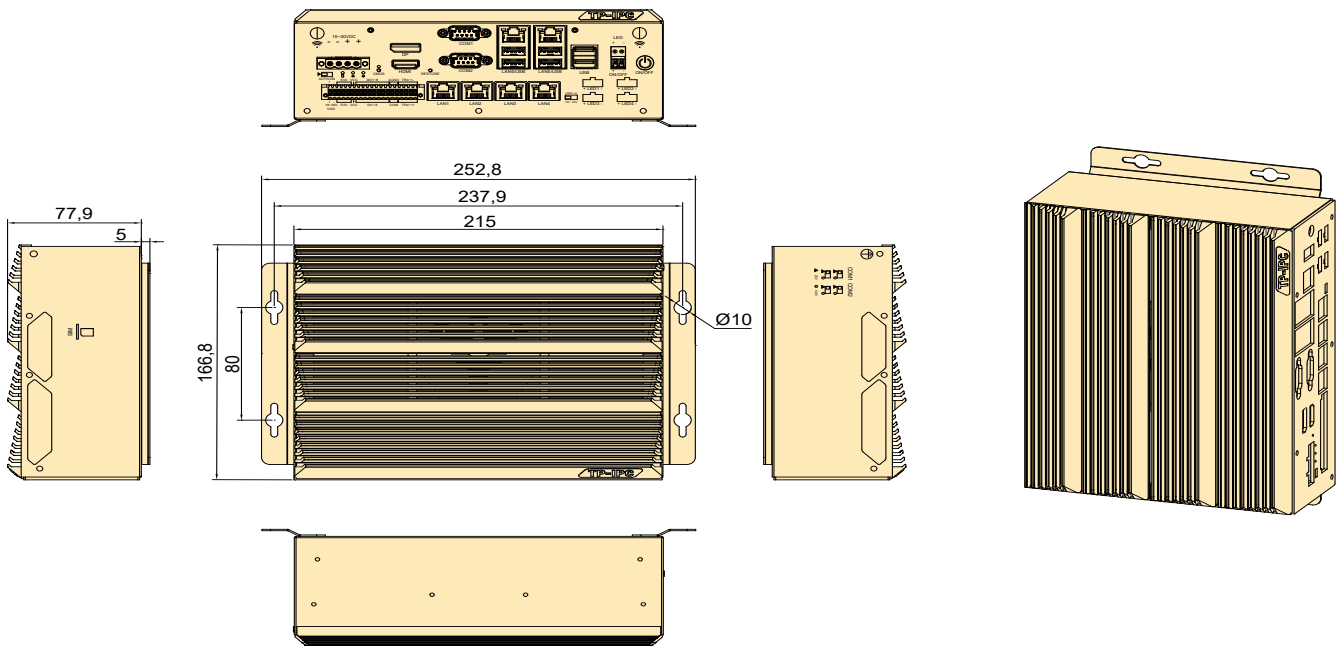
The actual appearance is subject to the final configuration.

Specifications

Model	AEOLUS-TL9-6L2C4P	
Supported OS	Win10, Win 11, Linux (Ubuntu, Debian, Kali, CentOS, etc.), Win 10 IoT	
Chipset	Model	Intel® Z390 Chipset, TDP 6W
	vPRO Tech	Non-supported
CPU	Socket	Intel® Desktop Processors Socket LGA1151
	Series	8th-9th Gen. Intel® Core™ i7/ i5/ i3 Processor
	TDP	Up to 65W
	Graphic	Intel® UHD Graphics 630 for 8-9th Gen. processor, 32Eus
	BIOS	AMI UEFI BIOS; External Clearable CMOS
RAM	SO-DIMM	1* SO-DIMM DDR4 2400~2666 MHz Socket, Capacity up to 32GB
Storage	M.2	1* M.2 (NGFF) 2280 M-key slot, support PCIe4 Gen.3 NVMe/ SATA3.0 SSD; 1* M.2 (NGFF) 2280 M-key slot, SATA 6Gbps/PCIe 3.0 x4 Adaptive SSD;
I/O Interface	COM	2* RS232/RS485, switchable via side switch, supporting digital capacitive isolation, ESD/EFT/Surge protection; Please note that COM3 is exclusively used for communication with the I/O board light source module
	Ethernet	6* Intel i210-AT GbE LAN, including 4 PoE support IEEE 802.3af (Single output up to 15W), all supports wake-on-LAN, PXE
	USB	4* USB 3.0; 2* USB 2.0; 1* USB 2.0 internal header
	Video	1* HDMI (support Resolution: 3840x2160 @30Hz/ 1920x1080@60Hz); 1* DP, support 3840x2160@60Hz;
	Audio	5.1-Channel HD Audio Codec - Realtek ALC897, 1*Audio Output (SPK) + 1*Microphone Input (Mic-In)
	SIM	1* External Nano SIM connected to M.2 Key-B 3042/3052, support 5G wireless
	Power Supply	DC 19V-30V; 4-PIN green connector, 5.08mm
	Featured Interfaces	16 bits GPIO (8 bits Input/ 8 bits Output, 5-24V), 10* 2 PIN, 2.54mm, Green connector, expanded by I/O board; 4-Channel Light Source Output (supports 12V/24V switching, no hot-swapping support, single channel max 1.5A, 5A full load at 12V / 3A full load at 24V); 4-Channel Light Source External Trigger Signal (integrated in 4*2Pin, 2.54mm Phoenix Connector, trigger level 3V/5V); 1* Single-Chip Watchdog & 255-Level Interval Timer;
Extended Capabilities	Additional Internal Interface	1* M.2 2230 E-key slot, PCIe x1 Gen3 + USB 2.0, support Wi-Fi + BT; 1* M.2 3042/3052 B-key slot, support 5G wireless; 1* Full-Size Mini-PCIe, PCIe x1 Gen3 + USB 2.0, optional CAN/ LAN/ COM/ Wi-Fi expansion etc.
Environment	Operating Temp.	-10 ~ 60°C w/ 0.7m/s Airflow
	Storage Temp.	-40 ~ 85°C (-40~185 °F)
	Relative Humidity	40°C @95%, Non-Condensing
Physical Characteristics	Dimensions	215* 78.13* 166.8 mm (W* H* D)
	Net Weight	2.5 KG
Regulation	EMC	CE/FCC Class B, CCC
	Safety	CE-LVD, RoHS, CCC

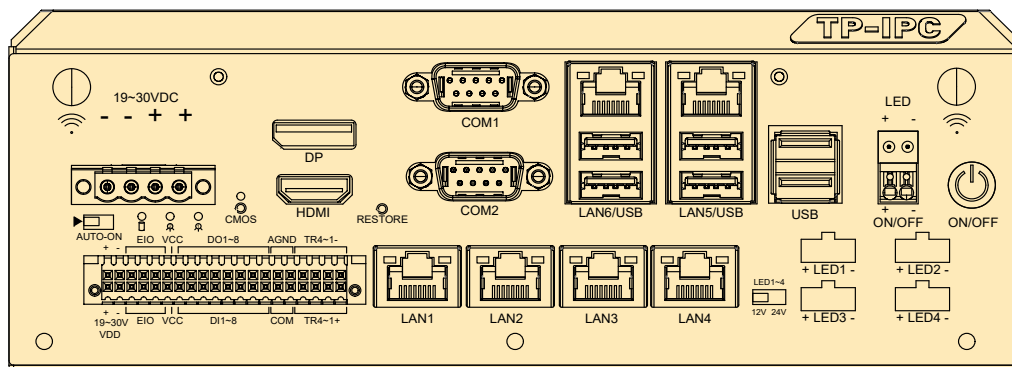
Dimension

Unit:mm



The actual appearance and dimensions are subject to the final configuration

Front Panel External IO Mechanical Layout/Drawing



Ordering Information

SO-DIMM Socket	M.2 2280 M-key Slot	M.2 2280 E-key Slot	M.2 3042/ 3052 B-key Slot	Full Size Mini-PCIe	RS232/RS485 switchable	Intel i210-AT GbE LAN	Nano SIM Card Slot			
1	2	1	1	1	2	6	1			
USB3.0	USB2.0	Internal USB 2.0	HDMI	DP	GPIO	Light Source	Restore Button	External Clearable CMOS	Remote Switch Button	Power Supply
4	2	1	1	1	8*DI/8*DO	4 Bits	1	1	1	DC 19V-30V

Processors Info & Available List

CPU	Code Name	Total Cores	Total Threads	Max Turbo Frequency	Base Frequency	Cache	TDP	Memory Types	Integrated Graphics
Intel® Core™ i3-8100	Coffee Lake	4	4	-	3.60 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630
Intel® Core™ i3-9100	Coffee Lake	4	4	4.20 GHz	3.60 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630
Intel® Core™ i5-8400	Coffee Lake	6	6	4.00 GHz	2.80 GHz	9 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630
Intel® Core™ i5-9500	Coffee Lake	6	6	4.40 GHz	3.00 GHz	9 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630
Intel® Core™ i7-8700	Coffee Lake	6	12	4.60 GHz	3.20 GHz	12 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630
Intel® Core™ i7-9700	Coffee Lake	6	8	4.70 GHz	3.00 GHz	12 MB Intel® Smart Cache	65W	DDR4	Intel® UHD Graphics 630

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!! Note: For more interface configuration or available processors, please consult the sales.

Packing list

Default Items	Qty
AEOLUS-TL9-6L2C4P Unit	1
Wall-mounted bracket	1
AC-to-DC Adapter	1
Power cable 3-pin 150cm	1

Options for default items

Optional Items	Qty
Power cable 3-pin 150cm, USA type	-
Power cable 3-pin 150cm, EU type	-
Power cable 3-pin 150cm, UK type	-

Optional accessories or internal modules for unit

Optional Items	Max Qty	Description
4G Module	1	Connected by Mini-PCIE interface
5G Module	1	Connected by M.2 interface
WiFi Module without AP mode	1	Connected by M.2 interface

!! Note: As this product has expansion slots, please consult sales for the specific maximum number of expandable interfaces.