

AEOLUS-TL9-2L2C



- 8th-9th Gen Intel® Core™ i7/i5/i3 with Desktop-grade Intel® Z390 chipset, support processor up to 65W TDP;
- Comes with On board 2 Gigabit LAN, supports Wake-on-LAN, PXE;
- 2*RS232/RS485 with Digital Capacitive Isolation TVS Surge Protection;
- Adopts open grille with built-in cooling fans & copper tube heat dissipation system, ensuring excellent heat dissipation performance;
- Supports 5G/WiFi wireless internet access and enables wireless remote control assistance in various environments;
- Supports DC 19V-36V power supply with strong resistance to current interference;
- Supports multiple installation methods: wall-mounted, vertical, and DIN rail mounting;
- Dual M.2 SSD high-speed storage, support high-definition video output;



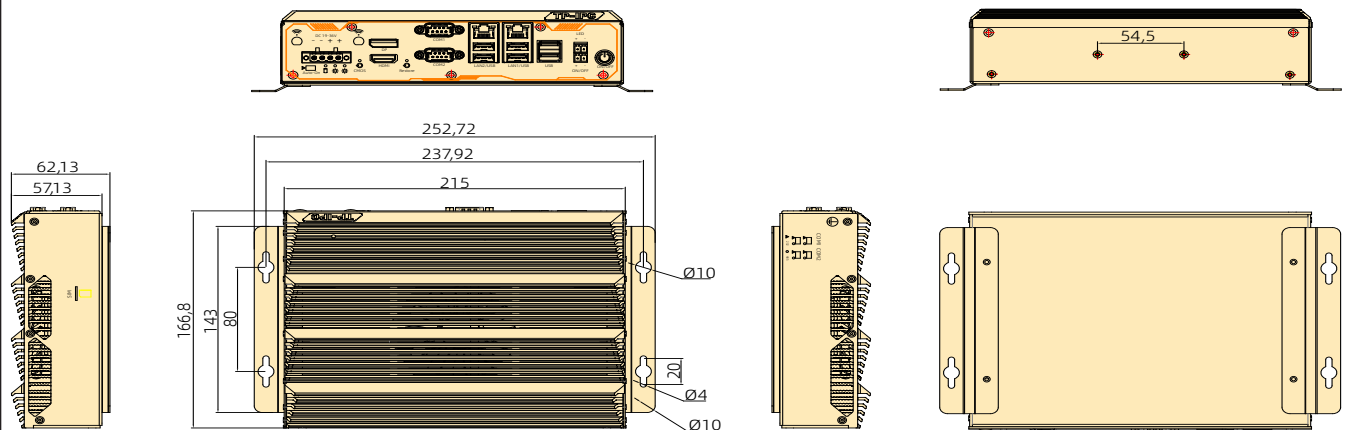
The actual appearance is subject to the final configuration.

Specifications

Model	AEOLUS-TL9-2L2C	
Supported OS	Win 10, 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
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	2* Intel i210-AT GbE LAN, 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* Nano SIM connected to M.2 Key-B 3042/3052, support 5G wireless
	Power Supply	DC 19V-36V; 4-PIN green connector, 5.08mm
	Featured Interface	1* External Clearable CMOS; 1* Restore Button; 1* Power-on Startup DIP Switch 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* 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* 57.13* 166.8 mm (W* H* D)
	Net Weight	2.25 KG
Regulation	EMC	CE/FCC Class B, CCC
	Safety	CE-LVD, RoHS, CCC

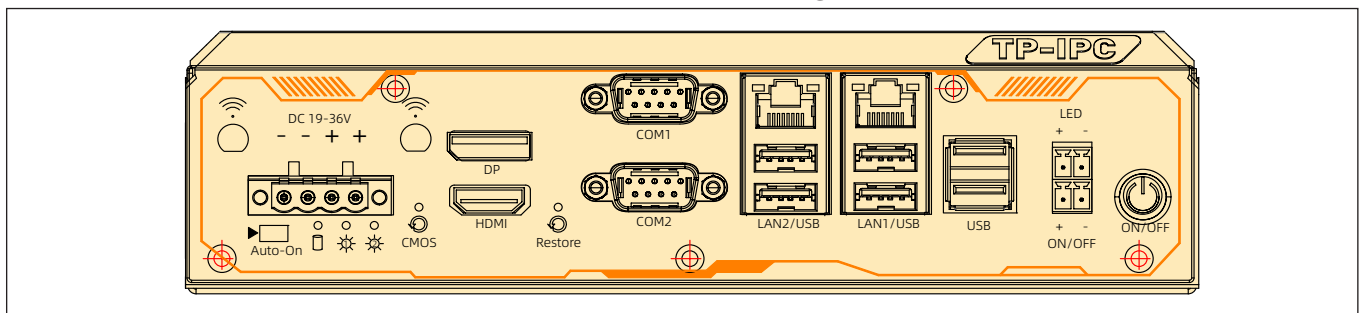
Dimension

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-PCle	RS232/RS485 switchable	Intel i210-AT GbE LAN	Nano SIM Card Slot	
1	2	1	1	1	2	2	1	
USB3.0	USB2.0	Internal USB 2.0	HDMI	DP	Restore Button	External Clearable CMOS	Remote Switch Button	Power Supply
4	2	1	1	1	1	1	1	DC 19V-36V

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-TL9-2L2C 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
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.