

Features

- 12th Generation Intel® Core™ i7 / i5 Alder Lake Processors
- 2x Intel i210-AT GbE with RJ45 & 1x Realtek 8111H GbE LAN
- 1x M.2 M-key 2280, 1x M.2 B-key, 1x M.2 E-key
- 2 Display outputs HDMI, DP port
- Compact design with system FAN

Wall Mount Type



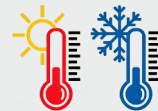
DIN Rail Type



12th Gen Alder Lake



M.2 M-Key 2280



-10°C ~ 60°C

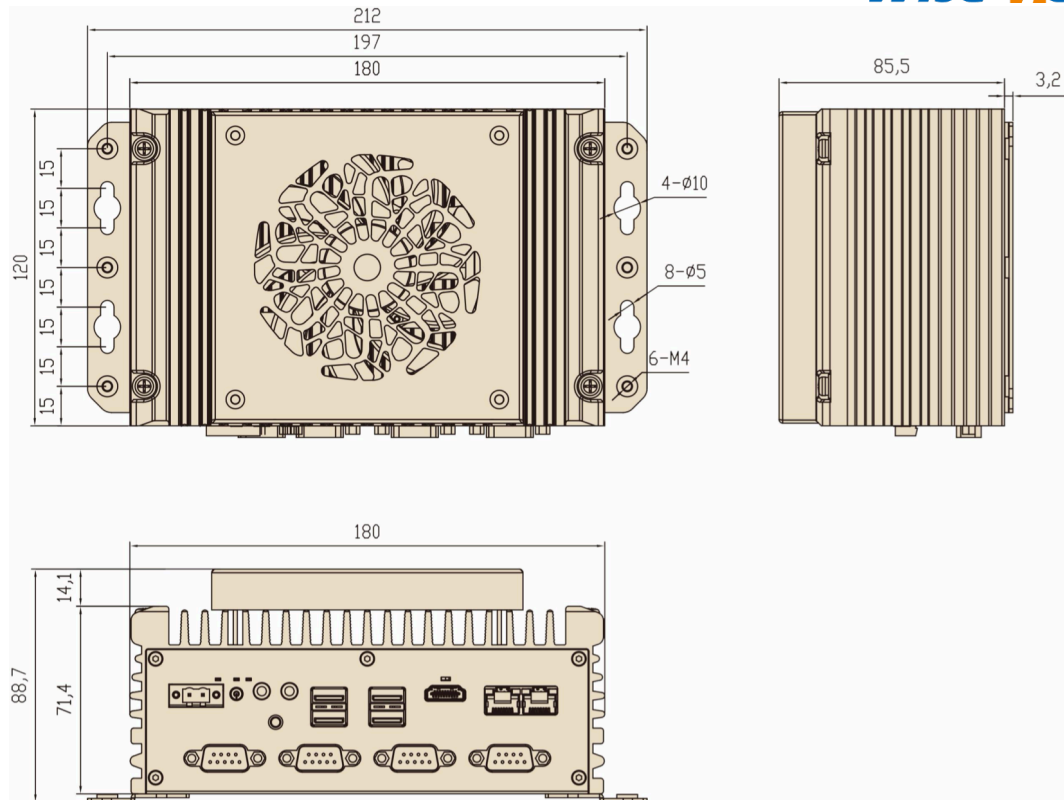


with System FAN

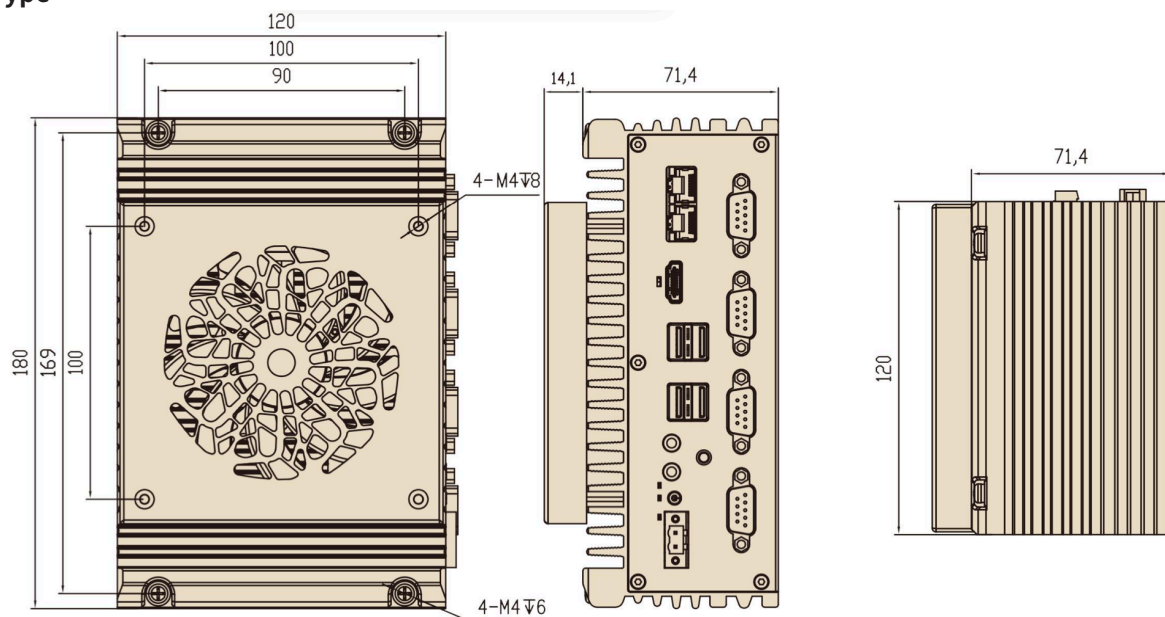
Specifications

Material Chassis	Aluminum alloy, Box: SGCC
Colour	Beige + Silver
Dimensions	180(W)*120(D)*85.5mm without wall mount bracket / DIN Rail bracket
Power Adapter	DC 12V / 5A output
Power Input	9~36VDC
Processors	Intel® Core™ i7-1255U Processor / Intel® Core™ i7-1235U Processor
Chipset	SoC
Memory	1x Non-ECC SO-DIMM Slots, DDR4 up to 3200MHz Single Max. 32GB
Storage	1x M.2 2280 M-key NVMe/SATA SSD
BIOS	AMI BIOS
Display Controller	Integrated Intel® UHD Graphics 1x HDMI port 1x DP port
Ethernet Controller	2 x Intel i210AT GbE controller with RJ-45 1 x Realtek 8111H GbE controller with 2x6 female Pin-Header
Serial	2x RS-232/485/422 (COM1/2, DB9/M, Full Lanes, BIOS Switch) Default : 2x RS-232 (COM3/4, DB9/M) or 2xRS-485 Optional
USB	4x USB3.2 Gen2x1 (Type-A, 10Gbps)
AUDIO	Realtek ALC987 CODEC, 1x Line_out, 1x & Mic_in
GPIO	8-bit or 16-bit, Optional
Expansion Slot	1 x M.2 2230 E-Key support WIFI module 1 x M.2 3052 B-Key with SIM socket support 4G/5G module
Watchdog Timer	Software Programmable Supports 1~255 sec.
Environment	Operating Temperature: -10°C ~ 60°C (Industrial SSD) Storage Temperature: -30~80°C Operating Humidity: 10%~95%,non-condensing
Vibration with SSD	5Grms/5~500Hz/random
Shock with SSD	50G/half-sine/lasting 11ms
EMC	FCC, CE, RoHS compliance
Mounting	Wall Mount or DiN Rail
OS	Win10/ 11, Linux (Support by request)

Wall Mount Type



DIN Rail Type



Ordering Information

Model name	Description
WBP-12U8-01	Industrial Embedded System with 12th Gen i7-1255U processor, 3xLAN, 2xRS-232/485, 2xRS-232, 1x M.2 M-key 2280, 1x M.2 B-key, 1x M.2 E-key, AC-DC Adaptec , support Wall mount Type
WBP-12U8-02	Industrial Embedded System with 12th Gen i5-1235U processor, 3xLAN, 2xRS-232/485, 2xRS-232, 1x M.2 M-key 2280, 1x M.2 B-key, 1x M.2 E-key, AC-DC Adaptec , support Wall mount Type

Model name	Description
WBP-12U8-03	Industrial Embedded System with 12th Gen i7-1255U processor, 3xLAN, 2xRS-232/485, 2xRS-232, 1x M.2 M-key 2280, 1x M.2 B-key, 1x M.2 E-key, AC-DC Adaptec , support DIN-Rail Type
WBP-12U8-04	Industrial Embedded System with 12th Gen i5-1235U processor, 3xLAN, 2xRS-232/485, 2xRS-232, 1x M.2 M-key 2280, 1x M.2 B-key, 1x M.2 E-key, AC-DC Adaptec , support DIN-Rail Type

For the detail information of sales point of Malaysia/ Taiwan/ Hong Kong/ Vietnam, please visit <http://www.wise-tech.net.cn> for information of distribution, contact information, and product purchase. All specifications are subject to change without notice. Last update: 1/2/2025