

IRDRW500

AI DIN Rail Box PC with Intel® Core™ i5-1335U



KEY FEATURES

- Intel® Raptor Lake Core™ i5-1335U 3.3GHz (up to 4.40 GHz)
- 1 x SO-DIMM DDR5 Memory, up to 32GB
- 4 x 2.5 Giga LAN, 4 x RS232/422/485
- 2 x USB 3.2 Gen 2x1, 2 x USB3.2 Gen1x1, 1 x USB2.0
- Isolated DIO (8-in/8-out)
- Wide Range 9V to 36V DC Power Input with Isolation
- Wide Operating Temperature range from -20°C to +60°C
- DIN-Rail type Edge Computing



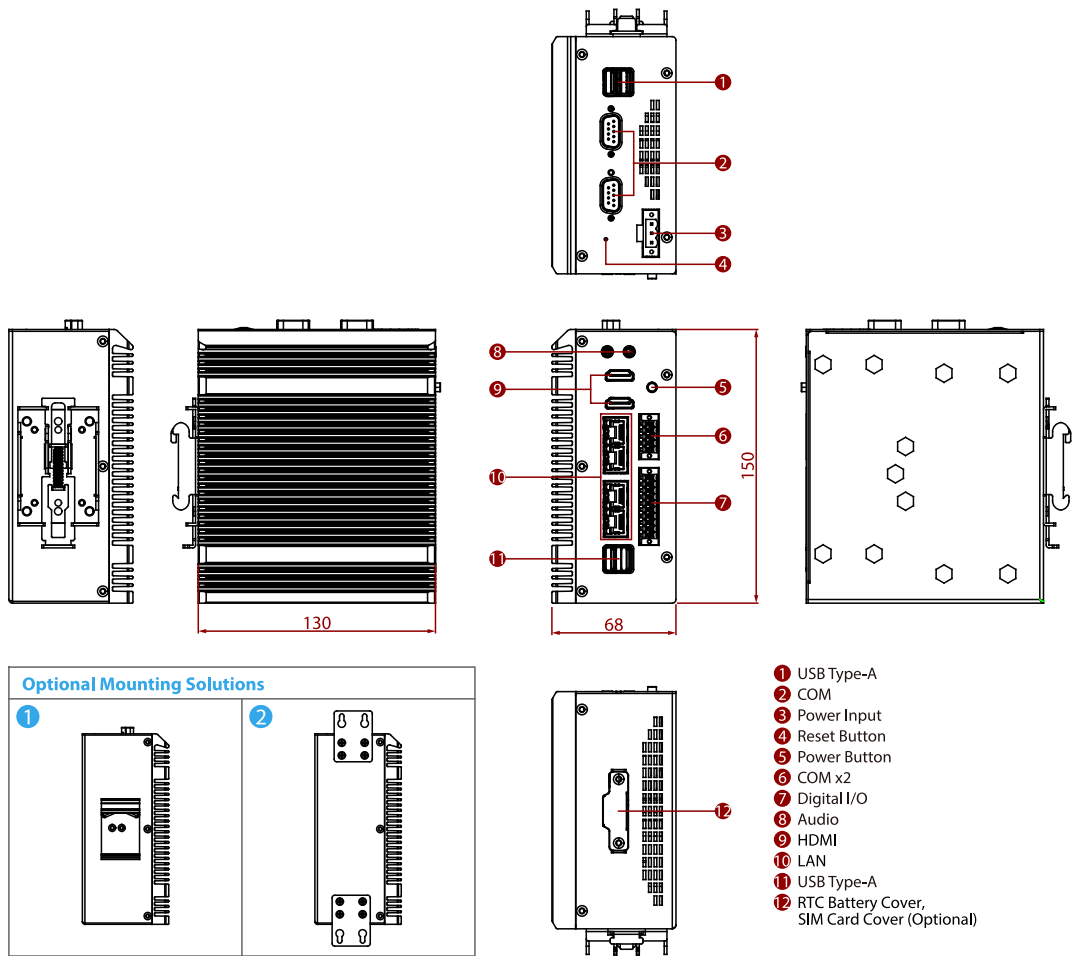
SPECIFICATIONS

System Specification			
Processor	Intel® Core™ i5-1335U 3.3GHz(up to 4.40 GHz)	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 256GB 512GB (Optional) 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)	Ethernet controller	4 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
WWAN	Support (Optional)	Expansion Port	1 x M.2 2230 E-key Slot (for WiFi or Hailo8 AI Accelerator) 1 x M.2 2280 M-key Slot (for NVMe SSD) 1 x M.2 3042/3052 B-key Slot (for 4G/5G)
AI Accelerator	Hailo 8™ AI accelerator module, up to 26 TOPS(When using this feature, WLAN will not be supported) (Optional)		
Mechanical			
Dimension	130 x 68 x 150 mm	Weight	1.5 kg
Mounting	Din-Rail mount Mini Din-Rail Mount (Optional) Wall Mount (Optional)	Enclosure	Aluminum and Metal Housing
Cooling System	Fan Design		
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I (Optional)
Vibration	MIL-STD-810G Method 514.6 Procedure I		
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x Isolated 9~36V DC with 3-Pin Terminal Block	USB Port	2 x USB3.2 Gen2x1 (10Gbps, Type A) 2 x USB3.2 Gen1x1 (5Gbps, Type A) 1 x USB2.0 (Type A)
Serial Port	2 x Isolated RS-232/422/485 (1 x 10 Pin terminal block, select thru jumper) (Default RS232) 2 x Isolated RS-232/422/485 (2 x DB9, select thru BIOS) (Default RS232)	SIM Card Slot	1 x nano SIM Card slot (Optional)
Video	2 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)	Audio	Mic in Line out
Expansion Port	1 x M.2 2230 E-key Slot (for WiFi or Hailo8 AI Accelerator) 1 x M.2 2280 M-key Slot (for NVMe SSD) 1 x M.2 3042/3052 B-key Slot (for 4G/5G)	LAN	4 x 2.5 Giga LAN RJ45 Connector
Indicator	1 x LED Indicator for power	DIDO	1 x Isolated 8in/8out DIO with 20-Pin Terminal block : 8 x Digital input channels with 2500 VDC isolation protection

- Wet contact:
Logic 0: 10 ~ 30 VDC/ Logic 1: 0 ~ 3 VDC
- Dry contact:
Logic 0: Shorted to GND/ Logic 1: Open
8 x Digital output channels
- Output voltage: 5 ~ 30 VDC
- Output capability sink: 500 mA ax./channel

Control			
Button	1 x Power Button with LED Indicator		
Accessory			
Accessory	1 x 100~240V AC to DC Adapter 1 x Power Cord 1 x Terminal Block 20-pin connector for DIDO 1 x Terminal Block 3-pin connector for Power 1 x Terminal Block 10-pin connector for COM 1 x Open Wire Cable 1 x Terminal Block 3-pin to 2.5Ø Female Adapter Cable 1 x Din Rail Mount kits	Optional Accessory	1 x Mini Din Rail Mount kits (Optional) 1 x Wall Mount kits (Optional)
Power			
Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 120W

DIMENSIONS UNIT:MM



NOTE

- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.