

IMTDRW500

Intel® Core™ Ultra 5 Processor DIN Rail Box PC



KEY FEATURES

- Intel® Core™ Ultra 5 processor 125U (12M Cache, up to 4.30 GHz)
- 1 x SO-DIMM DDR5 Memory, up to 32GB
- 4 x 2.5 Giga LAN, 2 x USB 3.2 Gen 2x1, 4 x COM
- Isolated DIO (8in/ 8out)
- Wide Range 9 to 36V DC Input with isolation
- Wide operating temperature range from -40° C to +70°C
- Fanless, streamlined enclosure for highly efficient heat Dissipation
- DIN-rail type computers



SPECIFICATIONS

System Specification			
Processor	Intel® Core™ Ultra 5 125U (12M Cache, up to 4.30 GHz)	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD, 512GB 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD (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 (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
WWAN	Support (Optional)	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 Mounting Mini Din-Rail Mounting (Optional) Wall Mounting (Optional)	Enclosure	Aluminum Housing
Cooling System	Fanless design		
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 70°C	Shock	15G, 11ms duration
Vibration	5Hz~500Hz / 1Grms / 3 axis		
Certification			
Certification	CE, FCC, IC		
IO Ports			
Power Input	1 x Isolated 9~36V DC with 3-Pin Terminal Block	USB Port	2 x USB3.2 Gen2x1 (Type A) 2 x USB2.0 (Type A)
Serial Port	2 x RS232/422/485 DB9 connector (Default RS232) 2 x RS232/422/485 with 10-Pin Terminal Block	Video	2 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)

(Default RS232)

Audio	Mic in Line out
DIDO	1 x Isolated 8-in/8-out 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
SIM Slot	1 x nano SIM slot
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage

LAN	4 x 2.5 Giga LAN RJ45 Connector
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
RTC Battery Slot	1 x RTC Battery Slot

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 Mounting kits	Optional Accessory	1 x Mini Din Rail Mounting kits (Optional) 1 x Wall Mounting kits (Optional)
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Power

Power Rating	9V to 36V DC with isolation, 3-Pin Terminal Block	Adapter	12V 120W
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DIMENSIONS UNIT:MM

