

IAD7T-RK2U

14th Gen Intel® Core™ i5 /i7/i9 2U Rack Server



KEY FEATURES

- Intel® 14th Gen Intel® Core™ i5 /i7/i9 processors. Intel vPro® Essentials Platform Eligibility
- Support TPM 2.0 Function
- Two front 2.5" SATAIII disk drive for RAID 0/1 support Fan custom cooling system.
- With NVIDIA graphics cards, it can process large of complex data to implement AI functions at the edge
- Compliance with IEC 618503, IEC600682-64, IEC 60068-22

INTRODUCTION

Winmate's 2U Rack Server Series delivers highperformance computing and scalability, ideal for demanding data center and enterprise applications. Powered by optional Intel® Core™ processors, it supports up to 64GB of memory for handling complex workloads with ease. Designed for space efficiency and reliability, it features a compact form factor, flex ATX power supply, and versatile storage options like SATA and NVMe SSDs. With Intel® vPro and Trusted Platform Module (TPM) support, it ensures robust security and seamless remote management for modern IT infrastructure.

SPECIFICATIONS

System Specification

| | | | |
|----------------------------|--|---------------------|--|
| Processor | Intel® Core™ i5 processor 14500T 24M Cache, up to 4.80 GHz Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz (Optional) Intel® Core™ i9 processor 14900T 36M Cache, up to 5.50 GHz (Optional) | Chipset | Intel® R680E |
| Memory | 2 x SO-DIMM DDR5 4800 MHz, 8+8GB 16+16GB (Optional) 32+32GB (Optional) | Storage | 1 x M.2 2280 M-Key NVMe SSD 256GB 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB 2 x SATA III for 2.5" SSD/HDD(RAID support) (Optional) |
| Ethernet controller | 2 x Intel® 2.5 Gigabit Ethernet Controller | Security | TPM 2.0 |
| Operating System | Windows 11 IoT Enterprise (64 bit) (Optional) Windows 10 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) | Graphic Card | NVIDIA® RTX A2000 Ada 12GB Graphic Card (Optional) NVIDIA® RTX 4000 SFF Ada Graphic Card (Optional) NVIDIA® GeForce RTX 4060 8GB Graphic Card (Optional) NVIDIA® GEFORCE RTX 4060 Graphic Card (Optional) NVIDIA® RTX 4000 Ada Graphic Card (Optional) |

Mechanical

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|-----------------------|---------------------|------------------|---------------------|
| Dimension | 482.6 x 300 x 88 mm | Weight | 7.8 kg |
| Mounting | 2U Rack mounting | Enclosure | Electroplated steel |
| Cooling System | Fan Design | | |

Environment

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|---------------------|-------------------------------|-----------------------|-------------|
| Operating Humidity | 10% to 90% RH, Non-Condensing | Operating Temperature | 0°C to 50°C |
| Storage Temperature | -10°C to 60°C | | |

Certification

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|---------------|---------|
| Certification | CE, FCC |
|---------------|---------|

IO Ports

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|-----------------------|---|-----------------|--|
| Power Input | 1 x 3 Pin AC Plug for Flex 2U Power Supply. | USB Port | Front side 2 x USB2.0 (Type-A) Rear side 4 x USB 3.2 Gen2x1 (10Gbps) (Type-A) |
| Video | 1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 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 Wi-Fi module) 1 x PCIe 4.0 (x16) slot Swappable 2.5" HDD/SSD Bay Slot (Optional) | LAN | 2 x 2.5GbE RJ45 Connector |
| Indicator | 1 x LED Indicator for power 1 x LED Indicator for storage 2 x LED Indicator for LAN | | |

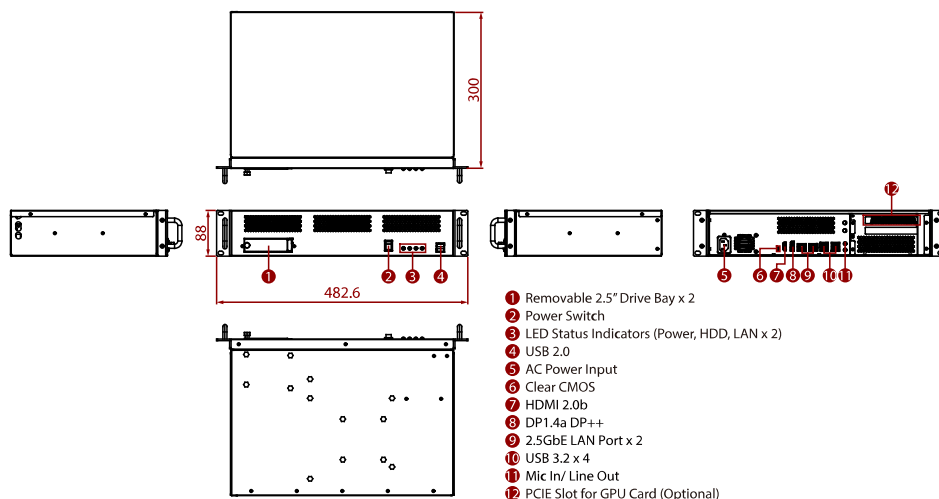
Control

| | |
|---------------|---|
| Button | 1 x Front side Power Switch 1 x Rear side Power Switch(power input control) 1 x Clear CMOS Button |
|---------------|---|

Accessory

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|------------------|---------------------------------|
| Accessory | Power Cord Quick Start Guide |
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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.