

IAD7T-RK2U

Intel® Core™ i7-14700T 2U Rack Server



KEY FEATURES

- Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz 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 for i7 Server PC
- With NVIDIA graphics cards, it can process large of complex data to implement AI functions at the edge
- IEC 618503, IEC60068264, IEC 6006822

INTRODUCTION

Winmate's 2U Rack Server Series delivers high-performance computing and scalability, ideal for demanding data center and enterprise applications. Powered by optional Intel® Core™ and Xeon® processors, it supports up to 768GB of memory for handling complex workloads with ease. Designed for space efficiency and reliability, it features a compact form factor, redundant power supplies, and versatile storage options like SAS, 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™ i7 processor 14700T 33M Cache, up to 5.20 GHz 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) 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

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

Environment

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

Certification

Certification CE, FCC

IO Ports

Power Input	1 x 3 Pin Plug for AC Input	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 x16 slot Swappable 2.5" HDD/SSD Bay Slot (Optional)	LAN	2 x 2.5 Giga LAN RJ45 Connector
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage 2 x LED Indicator for LAN		

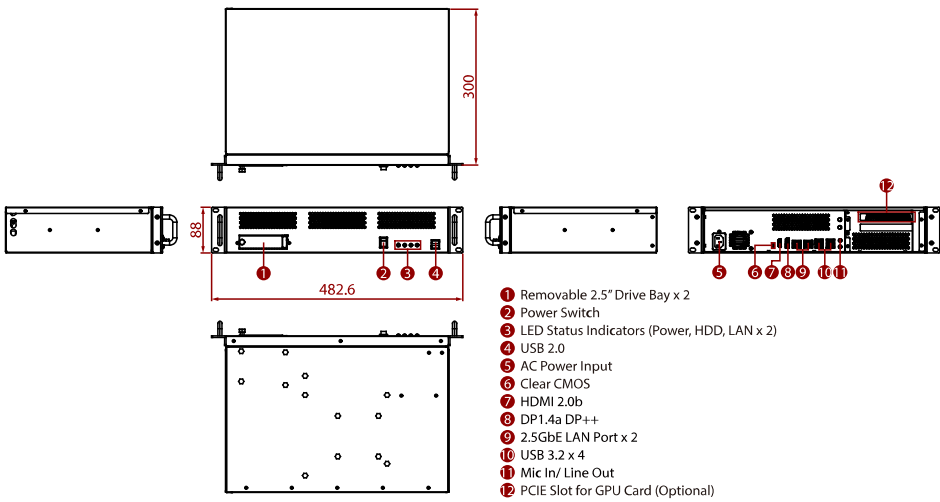
Control

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

Accessory

Accessory Power Cord
Quick Start Guide

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.