

OMIVEAC-IAD7T

Intel® Core™ i7-14700T 2U Rack Server



KEY FEATURES

- Fanless, custom cooling system for i7 Server PC
- IEC 618503, IEC60068264, IEC 6006822 certificated
- Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz
- Support TPM 2.0 Function
- Two front 2.5" SATAIII disk drive for RAID 0/1 support
- Support Dual Port 10GbE Fiber Gigabit Ethernet PCIE Express Riser Card
- Support Additional Dual Port 2.5GbE RJ45

INTRODUCTION

Winmate OMIVEAC-IAD7T is an Intel® Core™ i7-14700T 2U Rack Server engineered for industrial automation, embedded systems, and mission-critical applications. It combines Intel® Core™ i7-14700T, Fanless, custom cooling system for i7 Server PC, and IEC 618503, IEC60068264, IEC 6006822 certificated to support reliable operation in harsh industrial environments. With Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz, the OMIVEAC-IAD7T helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

System Specification

Processor	Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz	Chipset	Intel® R680E
Memory	1 x SO-DIMM, DDR5 4800 MHz,32GB	Storage	1 x M.2 2280 M-Key NVMe SSD 512GB (Default) 2 x SATA III for 2.5" SSD/HDD(RAID support) (Optional)
Ethernet controller	5 x Intel® 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)		

Mechanical

Dimension	482.6 x 384 x 88 mm	Weight	8.2 kg
Mounting	2U Rack mounting	Enclosure	Electroplated steel
Cooling System	Fanless Design		

Environment

Operating Humidity	10% to 95% RH, Non-Condensing	Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 70°C		

Certification

Certification	CE, FCC IEC 61850-3 IEC 60068-2-64 IEC 60068-2-2
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IO Ports

Power Input	1 x 3 Pin PHOENIX CONTACT DFK PC 4/ 3GF 7,621840560 connector for 110 to 240 VDC/VAC ± 20% Input	USB Port	Front side 2 x USB2.0 (Type-A) Rear side 4 x USB3.2 Gen2 x 1 (Type-A)
Serial Port	1 x RS232/422/485 setting from BIOS 2 x RS232 setting by jumper.	Video	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz (Default) 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)
Audio	1 x Mic in 1 x Line out	Expansion Port	1 x M.2 Key E 2230 slot for WiFi 1 x PCIe x 16,support Dual-Port Fiber 10GbE Ethernet PCI Express Riser Card 2 x 2.5Gb Ethernet (Default) Swappable 2.5" HDD/SSD Bay Slot (Optional)
LAN	4 x 2.5GbE RJ45 Connector 2x 10GbE SFP+	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage 2 x LED Indicator for LAN

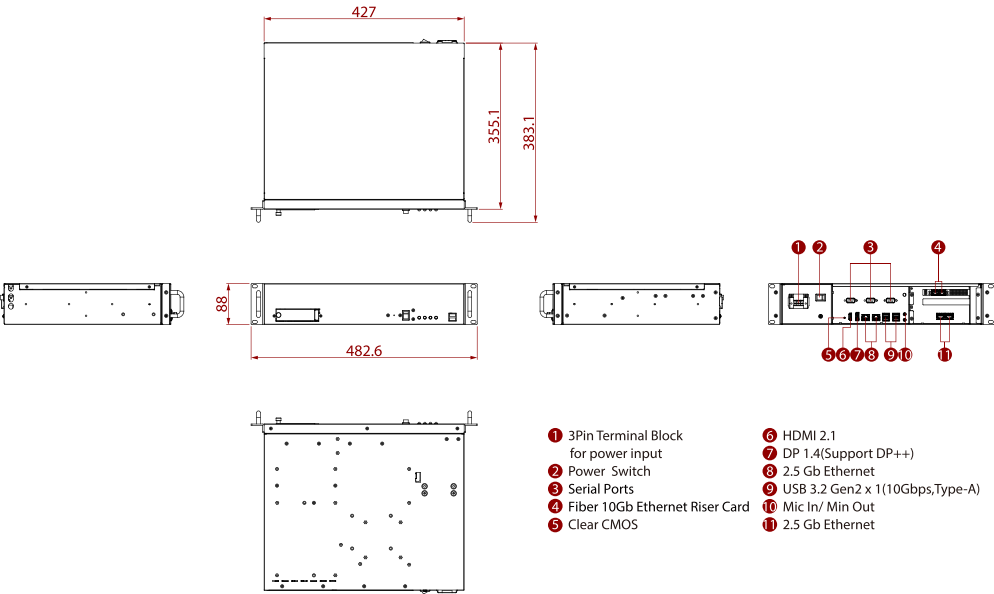
Control

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

Accessory	Open Wire Cable for connecting terminal block QSG
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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.