

# 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 a high-performance 2U rackmount server built for industrial and enterprise applications. It combines powerful computing, advanced security, and flexible storage in one compact solution. Designed to support industrial, logistics, and field service workloads with reliable, high-speed connectivity.

## SPECIFICATIONS

### System Specification

<b>Processor</b>	Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz	<b>Chipset</b>	Intel® R680E
<b>Memory</b>	1 x SO-DIMM, DDR5 4800 MHz,32GB	<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 512GB 2 x SATA III for 2.5" SSD/HDD(RAID support) (Optional)
<b>Ethernet controller</b>	5 x Intel® Ethernet Controller	<b>Security</b>	TPM 2.0
<b>Operating System</b>	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

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

### Environment

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

### Certification

<b>Certification</b>	CE, FCC IEC 61850-3 IEC 60068-2-64 IEC 60068-2-2
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## IO Ports

<b>Power Input</b>	1 x 3 Pin PHOENIX CONTACT DFK PC 4/ 3GF 7,621840560 connector. 110 VDC and 240 VAC $\pm$ 20% Input	<b>USB Port</b>	Front side 2 x USB2.0 (Type-A) Rear side 4 x USB3.2 Gen2 x 1 (Type-A)
<b>Serial Port</b>	1 x RS232/422/485 setting from BIOS 2 x RS232 setting by jumper.	<b>Video</b>	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)
<b>Audio</b>	1 x Mic in 1 x Line out	<b>Expansion Port</b>	1 x M.2 2230 E-Key Slot (for Wi-Fi module)  Swappable 2.5" HDD/SSD Bay Slot (Optional)
<b>LAN</b>	4 x 2.5GbE RJ45 Connector 2x 10GbE SFP+	<b>Indicator</b>	1 x LED Indicator for power 1 x LED Indicator for storage 2 x LED Indicator for LAN

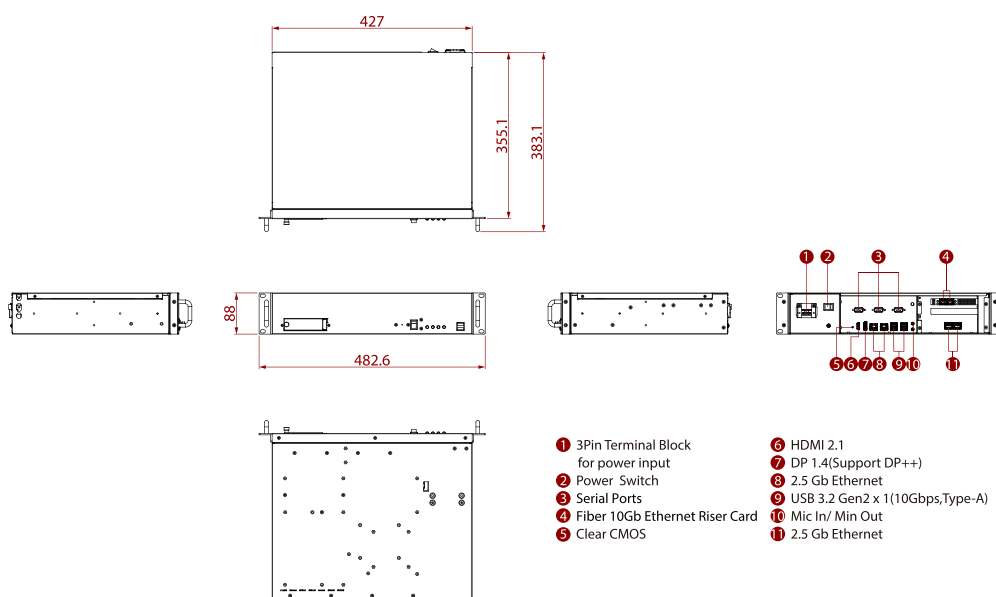
## Control

<b>Button</b>	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

<b>Accessory</b>	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.