

W32IAD7T-GPA3

32" Edge AI Panel PC with Intel® Alder Lake S / Raptor Lake S Processor



KEY FEATURES

- 32", 1920 x 1080 resolution with P-CAP touchscreen
- Supports Intel® 12/14th generation Alder LakeS/Raptor Lake S processor
- Supports single NVIDIA RTX™A2000 / T1000 GPU
- Supports Intel® vPro
- Up to 2 x 262pin SODIMM DDR5 4800MHz up to 64GB(32GB per Slot)
- 2 x Intel 2.5 Gigabit LAN, 4 x USB3.2 Gen 2x1
- Supports Two display, 1 x HDMI 2.0, 1 x DP 1.4a
- 90 ~ 264 VAC Power Input with 3 Pin AC Plug

INTRODUCTION

Winmate Edge AI Panel PC Series delivers high-performance computing and advanced AI capabilities, designed for demanding applications in factory automation, AIoT, and professional visualization. Available in sizes from 19" to 32", these PCs feature Intel® 12th/14th Gen processors, NVIDIA RTX™ A2000/T1000 GPUs, and up to 64GB DDR5 RAM. With multi-touch P-CAP screens, dual 2.5 Gigabit LAN for fast connectivity, and dual display support via HDMI and DP, this series ensures seamless data processing and visualization. Built with durability and efficiency, it's ideal for AI-driven workflows and real-time data analysis.

SPECIFICATIONS

Display

Resolution	1920x1080	Size	32.0 inches
Contrast Ratio	4000:1	Panel Brightness	400.0 nits
View Angles	89,89,89,89	Active Area	698.4x392.85 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

Processor	Intel® Core™ i7-12700TE(up to 4.6GHz) Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional) Intel® Core™ i7-14700T(up to 5.2GHz) (Optional) Intel® Core™ i9-14900T(up to 5.5GHz) (Optional)	Chipset	Intel® R680E
Memory	SO-DIMM, DDR5 4800 MHz, 8+8GB 16+16GB (Optional) 32+32GB (Optional)	Storage	1 x M.2 2280 M-Key NVMe SSD, 512GB 1TB (Optional) 2TB (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 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)	WLAN	Support (Optional)
BT	Support (Optional)	AI Accelerator	Hailo 8™ AI accelerator module, up to 26 TOPS(When using this feature, WLAN will not be supported) (Optional)
Graphic Card	NVIDIA® RTX A4000 16GB Graphic Card (Optional) NVIDIA® RTX A2000 12GB Graphic Card (Optional) NVIDIA® T1000 8GB Graphic Card (Optional)		

Mechanical

Dimension	777.6 x 477.6 x 73.3 mm	Weight	14.8 kg
Mounting	VESA mount	Enclosure	Metal Housing
Cooling System	Fan Design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 55°C
Storage Temperature	-10°C to 60°C	IP rating	Front IP65

Certification

Certification	CE, FCC
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IO Ports

Power Input	1 x 3 Pin AC Plug	USB Port	4 x USB 3.2 Gen2x1 (10Gbps, TypeA)
Serial Port	1 x RS232/422/485 (Default RS232)	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 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module or Hailo 8™ AI accelerator module) 1 x PCIe 5.0 (x16) slot
LAN	2 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage

Control

Button	1 x AC Power Switch 1 x Power Button 1 x Clear CMOS Button 2 x Reset Button
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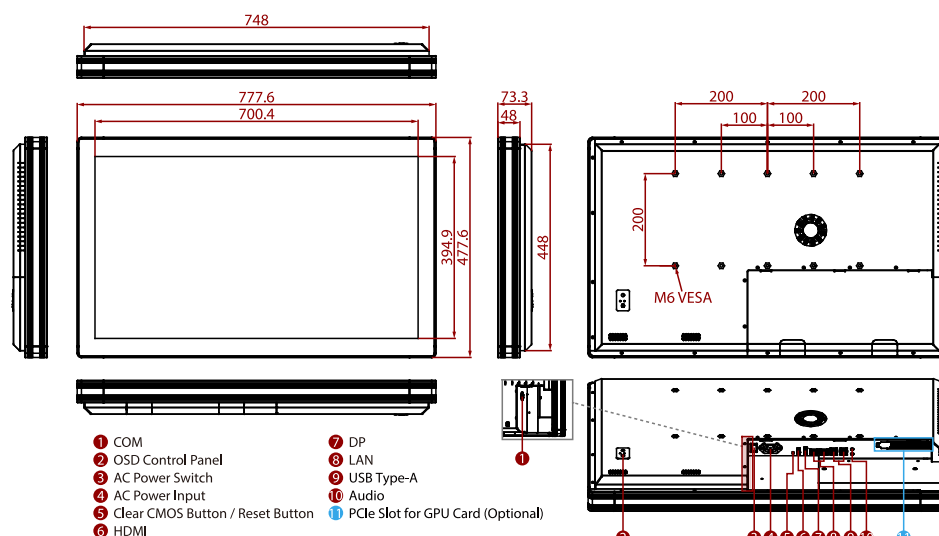
Accessory

Accessory	Power Cord VESA screws
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Power

Power Rating	90 ~ 264VAC	Consumption	500W
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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.

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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PRŮMYSLOVÉ POČÍTAČE

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POČÍTAČE S DISPLEJEM

panelové PC, terminály, do vozidel, ...



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převodníky, karty, moduly, switche, ...



PERIFERIE A KOMPONENTY

monitory, klávesnice, desky, skříně, ...



NOTEBOOKY A TABLETY

odolné, windows, android, IP65, ...



INFORMAČNÍ KIOSKY

interiérové, venkovní, ...



MEDICÍNSKÁ TECHNIKA

počítače, tablety, LCD, klávesnice, ...



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pro výrobu, zaměstnance, kiosky, ...



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ODMĚNA ZA VĚRNOST

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od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme
rozšířenou podporu a servis s garancí
výměny zařízení do 48 hodin.