W254 - Mini AI Workstation

Desk-side local LLM inference - AMD Ryzen AI Max platform

The W254 is a compact desk-side workstation built on the AMD Ryzen AI Max platform (AI 395/388, 140W TDP): up to 128GB of onboard LPDDR5X-8533 memory, four simultaneous displays, HDMI 2.1 8K output and 10GbE networking - engineered to run local LLM inference and private AI workflows in the office, not the server room.

Technical Specifications



BASIC INFORMATION	
Model	W254
Type	Mini AI workstation for local LLM inference and private AI workflows
COMPUTE PLATFORM	
Processor	AMD Ryzen AI Max FP11 platform, AI 395 / AI 388 optional, 140W TDP
BIOS	AMI UEFI BIOS
Memory	8x LPDDR5X-8533 onboard, up to 128GB (soldered, not field-upgradable)
DISPLAY & GRAPHICS	
Display Output	Up to 4 simultaneous displays: 1x HDMI 2.1, 2x USB4, 2x USB4 V2
HDMI	1x HDMI 2.1, up to 8K@60Hz
STORAGE	
M.2 Slots	2x M.2 2280 KEY-M (PCIe 4.0 x4) + 1x M.2 2280 KEY-M (PCIe 4.0 x1)
NETWORK & WIRELESS	
Ethernet	2x RJ45 10GbE (Realtek RTL8127)
Wireless	M.2 2230 standard Wi-Fi/BT module; Wi-Fi 6E / Wi-Fi 7 module optional
FRONT & REAR I/O	
Front I/O	Power button, 1x combo audio jack, 1x USB 3.2 Gen2, 1x SD card slot, 2x USB4 (40Gbps, DP & PD out 15W), reset pinhole (press = reboot; hold 5s = clear CMOS)
Rear I/O	2x USB4 V2 (80Gbps, DP & PD out 15W), 1x HDMI 2.1 (8K@60Hz), 2x RJ45 10GbE, 2x USB 2.0, 1x DC-in jack, 1x line-out audio jack
SOFTWARE & POWER	
Operating System	Windows 11 / Linux; TPM optional
Power	20V / 240W DC-in adapter
ENVIRONMENT & MECHANICAL	
Environment	Operating -5-45C, 10%-90% RH non-condensing; storage -20-70C, 5%-95% RH non-condensing
Dimensions	200 x 69.5 x 226 mm
COMPLIANCE	
RoHS	China RoHS 2.0 declaration (10 restricted substances)

Notes & Limitations: LPDDR5X memory is onboard and soldered - capacity is fixed at order time and not field-upgradable. Wi-Fi 6E / Wi-Fi 7 module and TPM are optional; specify when ordering. Typical applications: local LLM inference, private RAG knowledge bases, AI agent workloads, engineering and design workstations, multi-display office desktops. A quick guide (CN/EN) is available in the Downloads section of the Knowledge Center at www.intellisiontech.com.

Intellisiontech - Jilianxin (Shenzhen) Technology Co., Ltd.
Room 502, Tower A, Lianhua Plaza, Nanshan District, Shenzhen, Guangdong, China

Contact
sales@intellisiontech.com
Phone / WhatsApp: (+86) 13713517052

Web
www.intellisiontech.com