

The ZBOX PRO ZRP7N3500 brings speeding performance and powerful graphics to the table. The powerhouse features a professional-grade NVIDIA RTX Ada Generation Embedded GPU that delivers powerful AI and compute performance, and a vast array of connectivity options including USB 3.2 ports, 2.5G Ethernet and Wi-Fi 6E. It supports up to 4 simultaneous 4K displays to deliver fluid viewing for realistic motion, making it the ideal solution for scientific visualization, medical analytics, VR & content creation/production, AI, deep learning, and much more.



## TECHNICAL SPECIFICATIONS

### FEATURES

- Intel Core i7 processor (16 core and 24 thread)
- Quad Display Output powered by NVIDIA RTX Ada Generation embedded graphics
- Hardware watchdog timer: Timeout value = 1-255 (min/sec)
- Intel PTT TPM2.0
- Active Cooling Embedded Solution
- Durable Full Metal Enclosure
- Long Product Life Cycle

### PROCESSOR

- Intel Core i7-13700 desktop processor (16-core 2.1GHz up to 5.2GHz)
- 30MB cache

### GRAPHICS ENGINE

- NVIDIA RTX 3500 Ada Generation Embedded GPU 12GB GDDR6 192-bit
- MXM3.1 Type-B form factor
- 5120 CUDA cores, 160 Gen4 Tensor Cores, 40 Gen3 RT Cores, 115W TGP
- HDMI 2.1: up to 7840x4320 @60Hz
- DisplayPort 1.4a: up to 7840x4320 @60Hz
- NVIDIA Mosaic EDID emulation

### MEMORY

- 2 x DDR5-5600MHz SO-DIMM slots (up to 64GB)

### STORAGE

- 1 x M.2 NVMe PCIe 4.0 x4 SSD slot (2230/2242/2280/22110)
- 1 x M.2 NVMe PCIe 4.0 x4 / SATA SSD slot (2230/2242/2280/22110)
- UHS-I/II SD/SDHC/SDXC memory card slot

### DISPLAY OUTPUT

- 2 x HDMI® Connector (supports 4K 120Hz HDR, 8K 60Hz required dual head with DSC, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- 2 x DisplayPort 1.4a

### AUDIO INTERFACE

- 8-channel digital audio via HDMI port
- 3.5mm stereo headphone jack
- 3.5mm microphone jack

### NETWORKING

- 2 x 2.5Gbit Ethernet port
- Wi-Fi 6E IEEE 802.11ax/ac/a/b/g/n
- Bluetooth 5.3

### POWER INPUT

- DC 19.5V, 330W

### CONNECTIVITY

- 1 x USB 3.2 Type-C
- 5 x USB 3.2 Type-A
- 1 x Legacy RS232 (COM) port

### OPERATING TEMPERATURE

- Main unit: -20°C ~ +40°C
- AC adapter: +0°C ~ +45°C

### PHYSICAL DIMENSIONS

- Length: 209.8mm (8.26in)
- Width: 202.3mm (7.96in)
- Height: 62.5mm (2.46in)

### SUPPORTED OS

- Windows 11 / 10 IoT ENT LTSC
- Ubuntu 22.04.3 LTS Linux

### INSIDE THE BOX

- ZBOX PRO ZRP7N3500
- Universal AC adapter
- Power Cord (type dependent on region)
- VESA & L-shaped Mounting Kit w/screws
- 2 x Wi-Fi Tri-band antenna
- USB Flash Drive with OS Drivers & User's Manual



WI-FI 6E



DUAL  
2.5GBPS LAN



4K  
ULTRA  
HD



UHS I/II  
SDXC CARD  
READER



USB 3.2



RS-232



WATCHDOG  
TIMER

