

Intel® 14th Gen i3 Mini Workstation with 3x Display Dual 2.5GbE WiFi-6E 5G WWAN ECC & RAID

🔗 <https://www.pondesk.com/product/NGHC-243>

Features

- Intel® Raptor Lake i3-14100T processor up to 4.40 GHz, 4 Cores
- Multi-purpose NGHC (Next Generation High Computing) Mini Workstation
- W680 High-performance Workstation-grade Chipset
- Support three storage drives including dual M.2 NVMe (2280 & 2242) with RAID 0/1 support
- Support up to 64GB (32GBx2) SODIMM DDR5 Memory
- Support ECC memory
- Three 4K display ports integrated with Intel® UHD 730 Graphics
- Dual Intel® 2.5GbE LAN ports (Support Wake-On-LAN/PXE)
- Embedded Intel® Wi-Fi 6E & Bluetooth
- Support 4G/5G WWAN Networks (optional)
- 10x USB ports with 6x Type-A up to 10Gbps and one Type-C up to 20Gbps
- Integrated Discrete Trusted Platform Module (TPM 2.0)
- Kensington Security Slot
- Support VESA Mount to save desk space
- Support Windows 11/Server, Linux, VMware, Proxmox VE, Firewalls, etc.



Specifications

Processor

Intel® Core™ i3-14100T
4 Cores, 8 Threads
12 MB Intel® Smart Cache,
up to 4.40 GHz

Memory

Support up to 64GB
SODIMM DDR5
Support ECC Memory
Dual Memory Slots

Storage

Support 1 x M.2 PCIe 4.0 2280 NVMe SSD
Support 1 x M.2 PCIe 3.0 2242 NVMe SSD
Support RAID 0/1
Support 1 x 2.5 inch SATA 3.0 SSD

Display

Intel® UHD Graphics 730
2 x HDMI 2.0
1 x DP 1.4b

Expansion Slots

1 x M.2 PCIe 4.0 2280
1 x M.2 PCIe 3.0 2242
1 x M.2 3042/3052 B-Keyed (For 4G/5G)

Front I/O Interfaces

2 x HDMI 2.0
1 x DP 1.4b
1 x RJ45 2.5GbE Intel® i226-V
1 x RJ45 2.5GbE Intel® i226-LM
1 x Audio-In, 1 x Audio-Out
1 x 19V DC In (Screw Locking Jack)
4 x USB3.2 Gen 2x1 Type-A (10Gbps)
1 x USB3.2 Gen 2x1 Type-C (10Gbps)
1 x USB3.2 Gen 2x2 Type-C (20Gbps)
2 x USB2.0 (480Mbps)
2 x Antenna Ports

Rear I/O Interfaces

Power Button
2 x USB3.2 Gen 2x1 Type-A (10Gbps)

Onboard I/O

2 x 4pin FAN connectors (CPU, SYS)
1 x 9pin Front Panel Header
1 x 4pin speaker Header
1 x 2pin MIC
1 x 2pin RTC Connector
Built-in Buzzer
1 x Micro-SIM Slot
1 x Onboard System Reset Switch

OS

Support Windows 10/11/Server 2019/2022
Support Linux, Ubuntu Desktop/Server,
Debian Red Hat Linux® 9.3 Enterprise WS etc
Support Proxmox VE, VMware ESXi

CPU Advanced Technologies

Intel® Speed Shift Technology
Intel® Hyper-Threading Technology
Enhanced Intel SpeedStep® Technology
Intel® Deep Learning Boost on CPU
Intel vPro®
Intel® Active Management Technology (AMT)
Intel® Trusted Execution Technology
Intel® Virtualization Technology (VT-x)
Intel® AES New Instructions

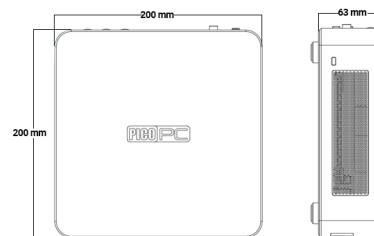
Power & Working Environment

Power Type: External Power Adapter
Power Adapter Input: AC 100-240V ~ 50-60Hz
Power Adapter Output: DC 19V, 10A
System Power Input: DC 19V
Operating Temperature: 0°C ~ 35°C
Relative Humidity: 10% - 95% (non-condensing)

Others

BIOS: AMI
Cooling: Copper Heatpipe Based Powerful
CPU Cooler
2 x Antenna ports on left and right side of
the device
Dimensions: 200mm x 200mm x 63 mm

Dimensions



200mm x 200mm x 63 mm (L*W*H)

Package

MODEL # NGHC-243

- 1 x Mini PC
- 1 x Power Adapter
- 1 x Power Cord
- 1 x SATA Cable
- 1 x VESA Mount

Optional

5G/4G WWAN

4G LTE-A Cat 6 M.2 (300Mbps)
5G Sub-6 GHz M.2 (4Gbps)
8GB/16GB/32GB/64GB DDR5 Memory
256GB/512GB/1TB/2TB NVMe SSD
128GB/256GB/512GB/1TB/2TB 2.5-Inch SSD

Memory

M.2 SSD
2.5" SSD

(Antennas are optional with module)

