

Industrial Computing Solutions for Heavy Duty Environments



All-In-One and NUC Industrial Computers from Thinlabs are built for long lasting performance, integrating seamlessly into kiosk enclosures as Openframe computers or standalone devices, feature Anti-Bacterial Plastics and are available with Power Over Ethernet (POE) 802.3at+ technology for significant electrical savings and increased scalability options.

Powered by AMD® Ryzen® processors and running Microsoft® Windows® 10/11 or Linux® OS, Thinlabs' PoE Industrial computers are powerful, responsive and the smart choice for your edge computing needs.

Unique Thinlabs Advantages

- **One Ethernet cable** - A single port on a network switch or PoE injector can power a Thinlabs PoE Computer using a single Ethernet cable.
- **No moving parts** – Thinlabs' Computers feature no moving parts – with a fan less design and solid-state storage on board – providing industry leading reliability and performance.
- **IPC motherboards with Conformal Coating** – Thinlabs' industrial computers feature IPC motherboards with optional conformal coating to insulate the components from metal / carbon dust and oil vapor – providing improved reliability.
- **No PAT testing** needed annually – PoE (power over Ethernet) is covered by the low voltage directive and is inherently safe to use. 100W (IEEE's 802.3bt++) Power Injector.

SOFTWARE

Choice of Operating System:

- Windows 10 / 11 IoT Enterprise LTSC
- Windows Professional 10 /11
- Thinlabs Linux Embedded with Write Filter Protection

All versions support Citrix HDX, VMWARE Horizon View with PCoIP, RDP, Microsoft Remote FX and 2X

HARDWARE

- AMD® Ryzen® Processor
- 8 GB DDR4 2400 MHz Memory (expandable to 64 GB)
- Flash Medium 128 GB M.2 2280 SSD (expandable to 2 TB)
- 10 / 100 / 1000 autosensing Megabit Ethernet (optional Internal Bluetooth 4.0 / Wi-Fi a/b/g/n/ac Dual Band Combo)
- Desktop Stand or 100 mm VESA

EXTERNAL PORTS

- Gigabit Ethernet - RJ45 port (w/ LED)
- 6 USB ports with ESD Protection support
- HDMI or DP port
- Serial port (optional)
- DC Power In (optional)
- Microphone / Speaker ports

AUDIO/ VIDEO/ TOUCHSCREEN

- 24" WXGA display, Full HD screen
- PCT touchscreen (Optional)
- Integrated 3D Graphics Engine

REGULATORY/ ENVIRONMENT COMPLIANCE

- CE / FCC B / EN60950 / RoHS / WHQL
- Operating: 41° F to 95° F
- Storage: -10° F to 140° F
- 90% max, non-condensing cooling
- Energy saving support
- TAA compliant

POWER

- PoE+, PoE ++
- 12V Power Adapter (optional)

ADDITIONAL OPTIONS

- Barcode Reader, Magnetic Stripe Reader or Biometric Fingerprint Scanner
- Conformal coating
- Open Frame

DIMENSIONS

- NUC (107 x 130 x 56 mm)
- 24" AIO (551 x 326 x 50 mm)

Contact:

2270 Cabot Blvd W #500 - Langhorne, PA 19047, USA

Phone: +1 (215) 269-3339, x.101

Email: info@thinlabs.com

