

LPC-870 - RUGGED FANLESS, MINI PC WITH DUAL REMOVABLE DRIVES



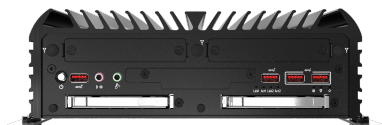
\$2,915.00 USD

Powerful, Rugged & Versatile Fanless PC

- No noise, Rugged Fanless Chassis
- Powerful Intel's® 10th generation Core i5, i7, i9 & Xeon mobile processors
 - 8x DIO (Digital input/output) ports
 - Dual Removable Front Drives
- Wide Range 9-48 VDC Input, ideal for mobile/field
- Built-in Gigabit LAN, USB 3.0, Audio, Serial, Video (DVI-I & Display port)
 - 4K Resolution, Ultra HD, Triple Display support
 - Single/Dual channel CAN Bus (Optional)
 - Solid State Drives (SSD) Standard
 - TPM 2.0 Standard
 - Windows 10, 11 and Linux
 - UL, CE, FCC & RoHS Certified
- LPC-870 vs LPC-860/862 - Product Comparison
 - See our FAQ - Why Choose Fanless?
- Rackmount model version also available



GALLERY IMAGES



Rear view with optional 2-slot Expansion Kit

PRODUCT DESCRIPTION

The Stealth LPC-870 is a powerful yet silent workhorse, housed in a heat-dispersing, dust-repellent aluminum chassis so quiet you could hear a pin drop - even at full operational capacity.

This rugged fanless mini PC designed for high performance is well equipped with Intel's® 10th Generation Core i5, i7, i9 & Xeon mobile processors, up to 64GB of ECC and non-ECC DDR4 RAM and capacity of up to 24TB in solid state drives(SSD) when equipped with 3 drives total. The optional PCIe/PCI slots can be populated with Graphic Cards or Third Party expansion cards for increased flexibility.

The LPC-870 mini PC includes two Removable Front Drive Bays that provide easy drive swapping. Optional RAID 0/1/5 configurations are supported. The powerful small form factor PC also includes an abundance of I/O ports such as USB 3.2 ports, (4) RS232 COM ports, Gigabit networking, external SIM card sockets for wireless connectivity and audio/video ports.

Stealth's LPC-870 small PC is designed to handle 4K Ultra HD Resolution video and can support up to three displays via dual Display Ports and a DVI-I video port. The LPC-870 also features 8x DIO (Digital input/output) with Isolation, offering the advantage of providing electrical isolation of digital signals. Port expansion is available by including any of the optional 5G SIM slots, 10GB LAN Ports, RJ45 PoE Ports, USB 3.0 ports and RS232 Serial ports in the Universal Bays & CAN bus.

Stealth developed the LPC-870 to be more than just your average mini PC. It is engineered to be extremely mobile friendly with the inclusion of a Wide Range 9-48 VDC power input. To protect the system the power is regulated with OVP (Over Voltage Protection), OCP (Over Current Protection) & Reverse Protection.

The LPC-870 is UL, CE, FCC & RoHS certified, and designed for use in a multitude of applications including: Machine Vision, Audio/Video Recording, Embedded Control, Digital Signs, Interactive Kiosks, Thin-Clients, and Human/Machine Interface.

ADDITIONAL INFORMATION

Processor	Supporting Intel® Core™ 10th Generation Processors Intel® Core™ i5-10500TE (6 Cores / 12 Threads, up to 3.7Ghz) Intel® Core™ i7-10700TE (8 Cores / 16 Threads, up to 4.4Ghz) Intel® Core™ i9-10900TE (10 Cores / 20 Threads, up to 4.5Ghz) Intel® Xeon® W-1290TE (10 Cores / 20 Threads, up to 4.50Ghz)
BIOS	AMI 256Mbit SPI BIOS
Chipset	Intel® W480E Chipset
Memory	2x DDR4 Memory Sockets Supporting up to 64GB of RAM / Memory Optional ECC Memory Support (available for Xeon CPUs only)
Internal Storage	480GB 3D NAND SSD (Solid State Drive) standard (SATA) Options of up to 8TB SSD internal storage. Up to 3 x 2.5" SSD supported total (1 x internal, 2 x removable) Optional Onboard RAID configurations (0, 1, 5), requires multiple drives
Expansion Slot(s)	Optional 2 x Expansion slots, max card length 6.85" / 174mm Options available: PCI+PCIe x16 or 2 x PCIe x8
Internal Expansion Option	2 Internal full sized Mini-PCIe expansion slots
Video	Intel® UHD Graphics 630 Includes DVI-I & 2x DisplayPort video ports Supports 4K Ultra HD Resolution as well as 1080p HD Video Triple Display support with DisplayPort and DVI-I Max Resolution, DisplayPort Mode: 4096x2304 @ 60Hz, DVI Mode: 1920 x 1200 @ 60Hz LAN1: Intel I219, LAN2: Intel I210 Optional 2/4 x 10G Network connections on Front Panel Optional 4/8 x 10/100/1000 RJ45 POE Network connections on Front Panel
Networking	2 onboard Gigabit Ethernet controllers, RJ-45 interface, PXE and WOL Supported Optional 802.11 b/g/n/ac Dual Band (2.4Ghz / 5Ghz) Wireless Networking and Bluetooth 4.0, Realtek® RTL8821AE via internal Mini-PCIe

Communications

2x External SIM card sockets standard for 4G wireless connectivity
Optional 2x External SIM card sockets in Front Bay for 5G wireless connectivity
4x RS232/422/485 COM ports (standard)
Additional 2/4 RS232 COM ports on Front Panel (optional)
Optional 4/8 x USB 3.0 Ports on Front Panel
Single/Dual channel CAN Bus (optional)

Audio

Integrated Realtek High Definition Audio CODEC ALC888S

Operating Systems

Windows Server 2022
Windows 11 (64-bit)
Windows 10 (64-bit)
Ubuntu Linux
Please contact us directly for any special requirements

TPM Module

TPM 2.0 (Trusted Platform Module), provides increased hardware security.

WatchDog Timer

1 ~ 255 sec/min
System Reset

Hardware Monitor

Processor temperature
Voltage

Chassis Description

Fanless Rugged Aluminum Chassis
Rear locking 5-Pin Power Jack (includes Ignition / Car PC function)
Input is 9V – 48V DC
Power Mode: AT & ATX

Power Input

Includes External AC Adapter, Input 100~240V AC @ 1.4A
50-60Hz
Power Protection: OVP (Over Voltage Protection), OCP (Over Current Protection) & Reverse Protection
North American Power Cord

Included with System

Wall Mount Bracket
* NOTE: Subject to change without notice
100-240V AC Adapter, 4.75ft cable exit length

Options

5G wireless connectivity w/ 2x External SIM card sockets in Front Bay

1x PCIe x16 & 1 x PCI expansion slot

2x PCIe x8 expansion slots (x16 physical)

2/4x 10Gb Ports on Front Panel

4/8x 10/100/1000 RJ45 POE Network connections on Front Panel

4/8x USB 3.0 Ports on Front Panel

802.11 b/g/n/ac Dual Band (2.4Ghz / 5Ghz) WiFi and Bluetooth, Intel® AC7260 via internal Mini-PCIe

Remote power option Ideal for OEM or Cabinet manufacturers

External USB DVD+-RW/CD-RW Drive

4 x USB 3.2 Gen 2 Ports

Remote Power connector

4 x RS232 COM ports

Rear Panel

2x Gigabit RJ45 Network connection

8x DIO (Digital input/output) with Isolation

1x DVI-I video connector

2x DisplayPort video connectors

9 – 48V DC Connector

2 x Removable SSD Bays

2 x SIM Communications Slots (4G / LTE)

2 x Universal Bays (various I/O Options)

2 x USB 3.2 Gen 1 Ports

2 x USB 3.2 Gen 2 Ports

Front Panel

Car Mode Delay Time Setting Switch

PC/Car Mode Select Switch

Headphone/Audio Line-Out Jack

Microphone Input Jack

AT / ATX Switch

Power-on button

Dimensions

Base Model: 9.44"(W) x 10.27"(D) x 3.11"(H) (240mm x 261mm x 79mm)

Dual Expansion Slots Model: 9.44"(W) x 10.27"(D) x 4.99"(H) (240mm x 261mm x 126.8mm)

Operating Temperature: 0 – 40C (32 to 104 F)

Relative Humidity: 10% ~ 95%, non-condensing (Operating & Non-Operating)

Environmental

Shock: 50G, half sine, 11ms (with SSD)

Vibration: 5 Grms, 5 – 500 Hz, 0.5 hr/axis (with SSD)

Approvals

UL 62368-1 and CSA C22.2 No. 62368-1:19

RoHS

CE

FCC

Weight

Note: add 2.8 lbs / 1.25 kg for the AC Adapter

Unit Weight: 10.6 lbs / 4.81 kg (Depending on configuration)

Warranty

2 Year limited Warranty, Standard

1 Year Extended Warranty available (see Configurator/Price List)

Disclaimer

Note: Specifications are subject to change without notice.