LPC-870 - FANLESS - CORE™ I7-10700TE, 16GB, 480GB SSD, WIN 10 (QUICKSHIP)
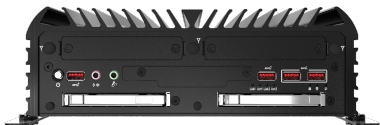

$3,590.00 USD

Powerful, Rugged & Versatile Fanless PC

- Intel's® 10th generation Core i7-10700TE processor
- 16GB DDR4 Memory
- internal 480GB Solid State Hard Drive (SSD)
- Windows 10 Professional 64-Bit
- 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
- 8x DIO (Digital input/output) ports
- TPM 2.0 Standard
- CE, FCC & RoHS Certified
- LPC-870 vs LPC-860/862 - Product Comparison
- See our FAQ – Why Choose Fanless?

GALLERY IMAGES

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 & 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 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-800 series is CE, FCC & RoHS certified, and designed for use in a multitude of applications including: Audio/Video Recording, Embedded Control, Digital Signs, Interactive Kiosks, Thin-Clients, and Human/Machine Interface.

STEALTH

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® 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: 4096×2304 @ 60Hz, DVI Mode: 1920 x 1200 @ 60Hz
Networking	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 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 11 (64-bit) Windows 10 (64-bit) Windows Server 2019 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
Power Input	Rear locking 5-Pin Power Jack (includes Ignition / Car PC function) Input is 9V – 48V DC Power Mode: AT & ATX Includes External AC Adapter, Input 100~240V AC @ 1.4A 50-60Hz Power Protection: OVP (Over Voltage Protection), OCP (Over Current Protection) & Reverse Protection
Included with System	North American Power Cord Wall Mount Bracket * NOTE: Subject to change without notice 100-240V AC Adapter, 4.75ft cable exit length

Options	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
Rear Panel	4 x USB 3.2 Gen 2 Ports
	Remote Power connector
	4 x RS232 COM ports
	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)
Environmental	Operating Temperature: 0 – 40C (32 to 104 F)
	Relative Humidity: 10% ~ 95%, non-condensing (Operating & Non-Operating)
	Shock: 50G, half sine, 11ms (with SSD)
	Vibration: 5 Grms, 5 – 500 Hz, 0.5 hr/axis (with SSD)
Approvals	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.