

GALLERY IMAGES



PRODUCT DESCRIPTION

The Stealth LPC-840 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 and i9 Mobile Processors, up to 64GB of DDR4 RAM and capacity of up to 16TB in solid state drives(SSD) when equipped with 2 drives total.

The LPC-840 mini PC includes one Removable Front Drive Bay that provides easy drive swapping. There is also one internal drive bay available, along with support for optional RAID 0/1 configurations. The powerful small form factor PC also includes an abundance of I/O ports such as USB 3.2, RS232 Serial, Gigabit networking, external SIM card sockets for wireless connectivity and audio/video ports.

Stealth's LPC-840 small PC is designed to handle 4K Ultra HD Resolution video and can support up to three displays via Display Ports. The LPC-840 also features 8x DIO (Digital input/output) with Isolation, offering the advantage of providing electrical isolation of digital signals. Port expansion is available via single or dual-channel CAN Bus or by including any of the optional 10GB LAN, RJ45 PoE or USB 3.0 ports in the Universal Bay.

Stealth developed the LPC-840 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 and optional 5G communications. To protect the system the power is regulated with OVP (Over Voltage Protection), OCP (Over Current Protection) & Reverse Protection.

The LPC-840 series is UL, CE, FCC & RoHS certified, and designed for use in a multitude of applications including: Transportation, IoT, IIoT, 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)
BIOS	AMI 256Mbit SPI BIOS
Chipset	Intel® Q470E Express Chipset
Memory	2x DDR4 Memory Sockets Supporting up to 64GB of RAM / Memory 480GB 3D NAND SSD (Solid State Drive) standard (SATA) Options of up to 8TB SSD internal storage.
Internal Storage	Up to 2 x 2.5" SSD supported total (1 x internal, 1 x removable) Optional Onboard RAID configurations (0, 1), requires multiple drives
Internal Expansion Option	(1) M.2 E-key, 2230 1 Internal full sized Mini-PCIe expansion slot
Video	Triple Display support with 3x DisplayPort (1x DP Port co-layout HDMI connector) Intel® UHD Graphics 630 Supports 4K Ultra HD Resolution as well as 1080p HD Video 1 onboard 2.5Gb Ethernet controller, RJ-45 interface, PXE and WOL Supported 1 onboard Gigabit Ethernet controller, RJ-45 interface, PXE and WOL Supported
Networking	LAN1: Intel I219, LAN2: Intel I225 Optional 2x 10G RJ45 Ports with Intel X710 on Front Panel Optional 4x 10/100/1000 RJ45 POE Ports with Intel I350 on Front Panel 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
5x RS232/422/485 COM ports (standard)
Optional 4x 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 3-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

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

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

DIN Rail Mount

2x 10Gb Ports on Front Panel

4x 10/100/1000 RJ45 POE Ports on Front Panel

4x 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

1x 2.5Gb RJ45 Network connection

1x DP/HDMI video connector

2x USB 3.2 Gen 2 Ports

3x RS232 COM ports

Rear Panel

Car Mode Delay Time Setting Switch

1x Gigabit RJ45 Network connection

8x DIO (Digital input/output) with Isolation

2x DisplayPort video connectors

9 - 48V DC Connector

2 x SIM Communications Slots (4G / LTE)

PC/Car Mode Select Switch

1x Removable SSD Bay

1x Universal Bay (various I/O Options)

2x RS232 COM ports

Front Panel

4x USB 3.2 Gen 2 Ports

Clear CMOS

Remote Power Connector

Headphone/Audio Line-Out Jack

AT / ATX Switch

Power-on button

Dimensions

7.56"(W) x 8.94"(D) x 2.37"(H) (192mm x 227mm x 60.3mm)

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)

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

Approvals

RoHS

CE

FCC

Weight

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

Unit Weight: 6.4 lbs / 2.90 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.