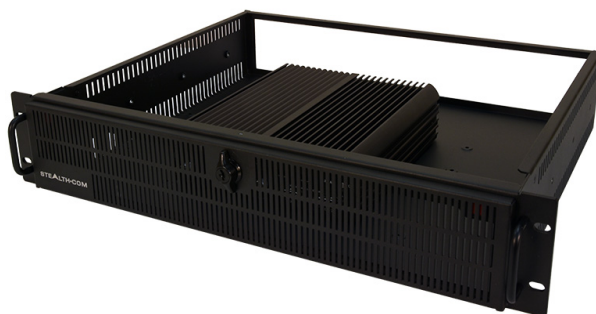## SR-28451 - WIDE TEMPERATURE FANLESS 2U RACKMOUNT PC – SINGLE SYSTEM

$2,990.00 USD

A Powerful Fanless Rack Solution

- Fanless, Noise Free Computing
- Space Saving 2U, 3.5″ Rack Server/PC
- Powerful Intel's® 10th Generation Core i5, i7 & i9 mobile processors
- 8x DIO (Digital input/output) ports
- Single Removable Front Drive, Single Internal Drive
- Wide Operating Temp (-25°C to 70°C / -13°F to 158°F)
- Wide Range 9-48 VDC Input, ideal for mobile/field
- Built-in 2.5Gb LAN, USB 3.2, Audio, Serial, Video (Display port x 3)
- 4K Resolution, Ultra HD, Triple Display support
- Single/Dual channel CAN Bus (Optional)
- Solid State Drives (SSD) Standard
- Windows 10, 11 and Linux
- UL, CE, FCC & RoHS Certified
- See our FAQ – Why Choose Fanless?
- Dual System Option also available

GALLERY IMAGES

PRODUCT DESCRIPTION

Stealth's SR-28451 wide temperature Fanless Rack Server/PC is a single system built into a slim 3.5" high (2U) rack mountable steel chassis with locking/latching front door. It is also available in a dual configuration.

Operational in temperatures ranging from -25°C – 70°C, the noise free fanless design provides a high-performance solution that uses powerful Intel 10th Gen Core i5, i7 and i9 Mobile Processors without the need for noisy cooling fans that can draw in dust and potentially cause catastrophic failures. Up to 64GB of DDR4 RAM is supported, along with 4TB in solid state drives (SSD) when equipped with 2 drives total. Raid 0/1 options are available for multiple drive configurations. The space saving design features a rugged extruded aluminum chassis that provides superior heat dissipation.

Stealth's SR-28451 Fanless Rack PC is designed to handle 4K Ultra HD Resolution video and can support up to three displays via Display Ports. An abundance if I/O ports includes USB 3.2, RS232 Serial, Gigabit networking, external SIM card sockets for 4G wireless connectivity, audio and 8x DIO (Digital input/output) ports with 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. The inclusion of a 9-48 VDC power input with Over Voltage, Over Current and Reverse Polarity Protection, along with optional 5G communications makes the SR-28451 extremely mobile friendly.

The SR-28451 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
Internal Storage	256GB TLC SSD (Solid State Drive) Wide Temp standard (SATA) Options of up to 2TB SSD (Wide Temperature) 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
Networking	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 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 11 (64-bit) Windows 10 (64-bit) Windows Server 2019 Ubuntu Linux Please contact us directly for any special requirements
TPM Module	Trusted Platform Module (TPM) 1.2, provides increased hardware security.
WatchDog Timer	1 ~ 255 sec/min System Reset
Hardware Monitor	Processor temperature Voltage
Chassis Description	2U, 3.5" High, 19" EIA rackmount Solid Steel Chassis, Black Color Locking / Latching Secure Front door Fanless Design
Power Input	Rear locking 3-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 * 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
	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
	External USB DVD+-RW/CD-RW Drive
Rear Panel	1x 2.5Gb RJ45 Network connection
	1x DP/HDMI video connector
	2x USB 3.2 Gen 2 Ports
	3x RS232 COM ports
	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
Front Panel	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
	4x USB 3.2 Gen 2 Ports
	Clear CMOS
	Remote Power Connector
	Headphone/Audio Line-Out Jack
	AT / ATX Switch
	Power-on button
Dimensions	19.0"(W) x 13.94"(D) x 3.468"(H) (482.6 x 354 x 88 mm)
Environmental	Operating Temperature: -25 to 70C (-13 to 158 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	UL 62368-1 and CSA C22.2 No. 62368-1:19
	RoHS
	CE
	FCC
Weight	35lbs / 15.88kg 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.