![Asperasys logo]

Asperasys

Aspera Electronic Systems

1/3 X 19" SMALL FORM FACTOR PC
EXTREME CONDITIONS

SPARTAN
VERSATILE · POWERFUL · TOUGH

DISK #1
DISK #2
POWER

ADVANCED FEATURES

- 7th Gen Intel® Core™, Intel® Xeon® Processor
- Up to 32 GB Dual Channel DDR4 at 1867/2133 MHz supports both ECC and non-ECC memory)
- 3x DDI channels, 1x LVDS (or 4 lanes eDP), supports up to 3 independent displays
- 8x PCIe x1 (Gen3) and 1x PCIe x16 (Gen3)
- GbE, 4x SATA 6 Gb/s, 4x USB 3.0 and 4x USB 2.0
- Supports Smart Embedded Management

TOUGH & DURABLE

- Designed from the ground up for outdoor conditions
- Operates on Land, Sea and Air
- Ultra Sealed with Water,Sand and Dust Protection
- Operational Temp. Range -40°C to +50°C (Optional 60°C)
- Waterproof according to IP65
- EMC Shielding

COMPACT & FLEXIBLE

- Small footprint - 1U height
- Easy installation
- Suitable for air, land and sea deployment
- Up to three units can be mounted together in a 19" rack
- Optional customization is available

IP65

www.asperasys.com

ABOUT ASPERA ELECTRONIC SYSTEMS

Aspera electronic systems is a subsidiary of Edco Technologies 1993 LTD. with branches located in both USA and Israel, with more than 30 years of combined experience.
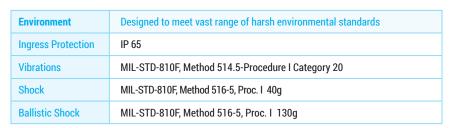
Aspera electronic systems offers rugged computing systems for extreme conditions, such as powerful servers, storage appliances, high deployment switches and video encoders.

RUGGED SMALL FORM FACTOR PC

Aspera electronic systems presents a revolutionary compact form factor, powerful, extremely rugged PC.

On a 19" 1U rack Spartan enables mounting of up to three mini PCs. Each of them is low power yet powerful with the latest 7th Gen Intel® Core™, Intel® Xeon® Processor and two removable SSD drives.

SPECIFICATIONS	
CPU	i7-4860QE, i7-3517UE / 3555LE, i7-4860E, i7-5850EQ, Xeon-E3-1278
Memory	Dual channel 1867/2133 MHz DDR4 memory up to 32GB in dual SODIMM sockets (ECC/non-ECC support dependent on selected CPU/PCH)
Network	2x Gigabit (10/100/1000) Ethernet Ports
USB	4x USB v. 3.0 (USB 0,1,2,3) and 12x USB 2.0 (USB 4,5,6,7)
Serial	4x UART ports, 1x Console RS -232 port (TX/RX), 2x RS-232, 2x RS-422/485
GPIO	4 x GPIO and 4 In, 4 out (3.3V/5V selectable)
Storage	2x SATA 2.5" SSDs removeable, 2x mSATA internal
Display	1 x LVDS interface (single ch 24-bit, dual ch 48-bit), 1x VGA, 2x DDI
Audio	HD Audio (Cirrus Logic CS4207 codec), 1x stereo input, 1x stereo output
Warranty	3 years standard
Dimentions (mm)	4.4(H) x 14.2(W) x 38(L) CM
Model	Spartan MiniPC

Environment	Designed to meet vast range of harsh environmental standards
Ingress Protection	IP 65
Vibrations	MIL-STD-810F, Method 514.5-Procedure I Category 20
Shock	MIL-STD-810F, Method 516-5, Proc. I 40g
Ballistic Shock	MIL-STD-810F, Method 516-5, Proc. I 130g

Spartan mini PC

* Preliminary, for availability info consult factory

Company address:
49 East Midland Avenue, Suite 6C, Paramus, NJ 07652-2922 United States

Sales Office:
830 3rd Avenue 5th Floor New York City, NY 10022 United States

Email: Info@asperasys.com **Phone:** +1 (855) 335-3330 **Fax:** +1 (855) 335-3330