ultraFLEX Nano PC

Part No. 22761

The ultraFLEX Nano PC is a full function PC optimized for size and power consumption. Despite the high processing power, the ultraFLEX Nano PC operates very efficiently and quietly, giving off only minimal heat emissions. This ensures the creation of comfortable and optimized working environments. The ultraFLEX Nano PC is mounted in a standalone box with one or two 12V power supplies or 19" chassis with single or dual power supply.

ultraFLEX Nano PC is configured to run Windows 10 Pro.

Technical Information

Dimensions – excluding housing	
Size W/D/H (mm)	20x 170x 130
Weight (g)	238
Electrical Characteristics	
Power Supply	2 x 100-240V AC (2x Switched Power Supplies for redundancy 12V/48V)
Power Consumption	10 - 14W (E3930) / 12 - 20W (E3950)
Processor / Memory	Intel Atom x5-E3930 dual-core 1.3/1.8GHz / 2GB SDRAM Intel Atom x7-E3950 quad-core 1.6/2.0GHz / 8GB SDRAM
Video Resolution	2x 4096x2160@60Hz
Audio	Stereo 48KHz 16/Bit (1Vrms 20Hz – 20KHz)
Data	2x USB 3.1 SuperSpeed and 2x Gigabit Ethernet
MTBF	80KHrs
24/7 operation	24-7 ready (regular fan maintenance required)
Interfaces / Connectors	
USB	2 x USB 3.1 Type A SuperSpeed
M.2 M Key	1 x 2280 NVMe SSD PCI 3.0 X2
Ethernet	2 x Gigabit RJ45
Video	2 x mini DP outputs
Audio	4 pin 3.5 mm jack socket for stereo line out and microphone
Configuration / Diagnostics	
GUI	Yes
SNMP Management	Yes
Indicator LEDs	Ethernet link and activity on each RJ45 connector
Power switch	Switch inclusive SSD activity LED to shutdown/power up module

The ultraFLEX Nano PC is Class B FCC and CE conform and approved.

Available Models

The new SMARC module features Intel's next-generation low-power System-on-Chip (SOC) for the Internet of Things. The Intel Atom Processor E3900 series integrates processor core, graphics, memory, and I/O interfaces into one solution. Based on 14nm processor technology this multi-core processor provides outstanding computing and graphics performance and is more power efficient compared to its predecessors

Intel Atom x5-E3930 dual-core 1.3/1.8GHz / 2GB SDRAM
Intel Atom x7-E3950 quad-core 1.6/2.0GHz / 8GB SDRAM
2x DisplayPort 1.2a up to 4096 x 2160 @ 60Hz
2x Gigabit Ethernet
2x USB 3.1
Audio line out/mic in (3.5 mm jack)
250 GB Internal M.2 NVMe SSD (Solid State Drive)
2GB/8GB 2400MT/s LPDDR4 SDRAM, quad-channel, soldered
Optional
Windows License

Operating Conditions

Operating temperature:	8 – 40 °C
Storage temperature:	0 – 60 °C
Operating location:	Indoor use
Relative humidity:	45 – 85 % non-condensing
Operating altitude:	Max. 2000 m

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