Sistema Embedded > Rackmount Embedded System

VITO-500

Fanless 1U Rackmount Industrial Computer with Flexible LAN and Serial Expansion



Features

» Fanless 1U rackmount industrial computer for 24/7 operation

» Intel® Processor N150 / Intel Atom® x7433RE / x7835RE platform

» DDR5 4800 SO-DIMM, up to 16 GB

» Up to 10 x 2.5GbE or 10 x RS-232/422/485 by SKU

» 2 x hot-swappable 2.5" SATA bays + M.2 2280 M-key

» 10-28 VDC input or optional dual redundant AC power supply

Specifications

Form factor	
SBC Form Factor	» CPU:
	Intel® Processor N-series / Intel Atom® x7000RE Series
	Intel® Processor N150 Processor (6M Cache, up to 3.60 GHz)
	Intel Atom® x7433RE Processor (6M Cache, up to 3.40 GHz)
	Intel Atom® x7835RE Processor (6M Cache, up to 3.60 GHz)
	» Chipset:
	SoC
	» System Memory:
	1 x SO-DIMM DDR5 4800 (8GB pre-installed) (up to 16GB)
	» Power:
	3-pin terminal block: 10–28 VDC or dual 220 VAC inputs (optional, by SKU)
	» Consumption: 12V @ 2.9A
	(Intel Atom® x7835RE with 16GB memory)
I/O Interface	
I/O Ports	» USB:
	3 x USB3.2 Gen2 Type-A
	2 x USB2.0 Type-A
	» Ethernet:
	Standard: 2 x 2.5GbE by Intel® I226-V controller
	10L SKU: 10 x 2.5GbE by Intel® I226-V controller
	» COM Port:
	Standard: 2 x RS-232/422/485 (DB9)
	10C SKU: 10 x RS-232/422/485 (DB9)
	» Digital I/O:
	16-bit (8-in/8-out) (Terminal Block)
	» Display:
	1 x HDMI™
	1 x USB Type-C (Display+USB3.2 Gen2)

	» TPM:
	1 x Intel PTT
	1 x 20pin TPM connector (Optional TPM-IN03 module)
	» Watchdog Timer:
	Programmable 1 ~ 255 sec/min
Expansion Slots	
Expansion Slots	1 x 2280 M-key (PCIe Gen3 x1)
System	
Cooling method / System Fan	Fanless
Drive Bays	2 x 2.5" SATA 6Gb/s HDD/SSD bays, hot-swappable
Indicator&Buttons	
Buttons	1 x power button with LED, 1 x Rreset button
Indicators	1 x HDD LED (yellow)
Physical Characteristics	
Construction	Extruded aluminum alloys
Color	
Color	Black
Dimensions	
Dimensions	430 x 240.22 x 44 mm
Weight	
Weight	4 kg / 6.2 kg
Environment	
Operating Temperature	-20°C to 60°C with SSD
	0°C ~ 60°C with SSD (N-series processors)
Humidity	10% ~ 95%, non-condensing
Operating Vibration	MIL-STD-810G 514.6C-1 (with SSD)
Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
Safety & EMC	CE, FCC
OS Compatible	
OS Compatible	Windows® 10/11 IoT Enterprise, Linux

Ordering Information

VITO-500-R4C-R-R10 Redundant power option may be subject to MOQ. Please contact IEI Sales for details.	1U Rackmount System, Intel® Atom™ x7835RE on-board SoC, 8GB DDR5 pre-installed memory, 2xCOM, 2xLan, 16xGPIO, AC220, 100W Redundant power supply, RoHS
VITO-500-R4C-R10	1U Rackmount System, Intel® Atom™ x7835RE on-board SoC, 8GB DDR5 pre-installed memory,2xCOM,2xLan,16xGPIO,RoHS
VITO-500-R4C-10L-R10	1U Rackmount System, Intel® Atom™ x7835RE on-board SoC, 8GB DDR5 pre-installed memory, 2xCOM, 10xLan, 16xGPIO, 10-28V, RoHS
VITO-500-R4C-10C-R10	1U Rackmount System, Intel® Atom™ x7835RE on-board SoC, 8GB DDR5 pre-installed memory, 10xCOM, 2xLan, 16xGPIO, 10-28V, RoHS
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VITO-500-R3C-10L-R10	1U Rackmount System, Intel® Atom™ x7433RE on-board SoC, 8GB DDR5 pre-installed memory, 2xCOM, 10xLan, 16xGPIO, 10-28V, RoHS
VITO-500-R3C-10C-R10	1U Rackmount System, Intel® Atom™ x7433RE on-board SoC, 8GB DDR5 pre-installed memory, 10xCOM, 2xLan, 16xGPIO, 10-28V, RoHS
VITO-500-N7C-R10	1U Rackmount System, Intel® Atom™ N150 on-board SoC, 8GB DDR5 pre-installed memory, 2xCOM, 2xLan, 16xGPIO, 10-28V, RoHS
VITO-500-N7C-10L-R10	1U Rackmount System, Intel® Atom™ N150 on-board SoC, 8GB DDR5 pre-installed memory, 2xCOM, 10xLan, 16xGPIO, 10-28V, RoHS
VITO-500-N7C-10C-R10	1U Rackmount System, Intel® Atom™ N150 on-board SoC, 8GB DDR5 pre-installed memory, 10xCOM, 2xLan, 16xGPIO, 10-28V, RoHS

Packing List

1 x Terminal block plugs 1x3	2 x Terminal block plugs 2x5
2 x Rack Mount Bracket	1 x Screw kit (for installation)