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## ■ Features

- Atom 1.6GHz, N270 without fan
- Intel 945GSE Chipset
- 2GB DDR2
- 2x LAN / 4x USB 2.0 / Audio
- 2x RS232, 2x RS232/422/485
- Compact Flash Adapter / HDD Space
- 2 x PCI Expansion Slot, 1 x miniPCIe Socket
- Power Input 16V-30V
- Dimensions 195 x 200 x 108mm

# VS-TaskRunner 2020

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## ■ Overview

The really small, robust and powerful embedded system! Fan less, ultra High Performance, Low Power Consumption, Professional construction inside!

best solution for Thin Client, Internet Appliances, VoIP, Networking and Multimedia

## ■ Chassis

<b>Construction</b>	full size Aluminium
<b>Mounting configuration</b>	Desktop
<b>Filter</b>	no
<b>Cooling system</b>	passive heatsink, fanless
<b>LED indicator</b>	Power on/off in front , HDD/CF access
<b>Expansion slot</b>	2 x PCI Expansion Slot 1 x miniPCIe Socket
<b>Dimensions</b>	195 x 200 x 108mm
<b>Power switch</b>	in front

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## ■ Hardware

<b>Processor</b>	Atom 1.6GHz
<b>CPU socket</b>	N270
<b>Front side BUS</b>	533 MHz
<b>BIOS</b>	Award
<b>Chipset</b>	Intel 945GSE

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## ■ Memory

<b>Memory type</b>	2 GB DDR2
<b>Memory socket</b>	1 x SoDIMM DDR2 400/533

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## ■ Video

<b>VGA controller</b>	embedded in Chipset Intel 945GSE
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<b>BUS</b>	4x AGP internal in chipset
<b>Video RAM</b>	up to 64MB dynamic video memory
<b>Interface</b>	VGA
<b>Resolutions</b>	up to 1600 x 1200/16bit

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### ■ Integrated Devices

<b>IDE</b>	optional 2.5 HDD S-ATA
<b>FDD</b>	no
<b>CD-ROM/DVD</b>	no
<b>Compact Flash</b>	external CF card socket Optional 512MB, 1GB, 2GB, 4GB, 8GB Compact Flash Card
<b>PCMCIA</b>	no
<b>DiskonChip</b>	no
<b>Specials</b>	one antenna hole for optional miniPCIe WIFI module
<b>Watch dog Timer</b>	Programmable watchdog timer, 1-63 sec.
<b>Real Time clock</b>	standard
<b>Keyboard/Mouse</b>	PS/2 connector for Keyboard and Mouse

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### ■ Connectivity

<b>LAN</b>	2 x RJ45, Giga LAN supports PXE Boot from LAN
<b>USB</b>	4 x USB 2.0 supports boot function from USB
<b>IEEE 1394</b>	no
<b>VGA</b>	1 x 15-pin connector
<b>Com Ports total</b>	2 x DSUB 9 male, 2 x screw terminal block
<b>Com Port Modi</b>	2 x RS232 and 2 x RS232/422/485
<b>LPT</b>	no
<b>Audio</b>	1 x Speaker out
<b>TV-out</b>	no

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### ■ Power supply

<b>external Power Adapter</b>	65W
<b>Power input</b>	AC 100-240V, 50-60Hz

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### ■ Power consumption

<b>average system only</b>	NN
<b>with power supply</b>	NN

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### ■ Environment

<b>Operating Temp.</b>	-5°C - 55°C
<b>Storage Temp.</b>	-20°-+80°C

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### ■ Software

<b>Windows</b>	Win98, NT, 2K, XP, Embedded XP
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**Linux**

Kernel 2.4 / 2.6

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■ **Ordering Information**

**Art.No**

3172

**Product Name**

VS-TaskRunner 2020

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■ Full size product image



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