

Model Information



■ Features

- Atom E3845 1.91GHz fanless
- 4GB DDR3
- 2 x GbE LAN / 4 x USB 2.0 / 1 x USB 3.0
- 2 x RS232, 2x RS232/422/485
- 1 x DVI-I, 1 x HDMI
- External SIM card holder
- Operating temperature: -20°C - 70°C
- CFast Adapter / HDD Space / mSATA
- 2 x miniPCIe Socket
- Power Input 9V-30V

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TaskRunner 2410E (NISE 2410E)

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■ Overview

Powered by Intel Atom Bay Trail Quad Core processor E3845, 1.91GHz, TaskRunner 2410E can provide excellent computing power and is more power-efficient than the platforms based on the previous generation of Intel Atom processor family.

TaskRunner 2410E supports up to 8GB DDR3L memory and has several options on storage devices like CFast, HDD, SSD or mSATA. The TaskRunner 2410E comes with 1 x HDMI, 1 x DVI-I, 2 x Gigabit LAN ports, 4 x COM ports and 5 x USB ports including one USB 3.0.

TaskRunner 2410E supports 9-30V DC input and can be operated in an extended operating temperature range from -20 to 70 degrees Celcius. This fanless system supports two mini-PCIe modules which can be an excellent platform for IOT applications (with optional Wi-Fi, 3G/LTE module). It's expansion versatility makes this system a perfect platform for factory automation and M2M intelligent computing applications.

■ System

CPU	Intel Atom E3845 Quad Core processor, 1.91GHz, 2M Cache
Chipset:	integrated in Intel E3845
Memory	4GB DDR3L 1066/1333MHz (8GB max.) 2x 204-pin SO-DIMM
	• 1x USB3.0 port • 2x serial port (RS232)

I / O Interface Front	• 1x CFast socket • 1x SIM card holder • 1x Mic-in & 1x Line-out • 2x antenna holes • ATX power on/off switch • HDD access/power status LEDs
I / O Interface Rear	• 2x GbE LAN ports (Intel I210IT Chipset) • 4x USB 2.0 ports • 1x DVI-I, 1x HDMI port • 2x serial port (2x RS232 and 2x RS232/422/485 with auto-flow control) • 9-30V DC power input • remote power on/off switch
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■ Storage	
HDD / SSD	• 1x 2.5" HDD space (SATA 2.0) • 1x mSATA if SATA HDD is not installed
Flash	1x external CFast socket (SATA 2.0)
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■ Chassis	
Construction	Aluminium chassis with fanless design
Expansion slot	Special Slots • 1 x miniPCIe for Wifi/3G/4G • 1 x miniPCIe for Wifi/mSATA Standard Slots • 1x PCIe x4 (TaskRunner 2410E) • 2x PCI (TaskRunner 2420)
Dimensions	195x 200x 90mm (TaskRunner 2410E) 195x 200x 111mm (TaskRunner 2420)
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■ Power Requirements	
DC	9V - 30V DC on-board power support
AC	Optional 24V, 60W external power adapter
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■ Power Consumption	
Full loading mode	ca. --W
Standby mode	ca. --W
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■ Environment	
Operating Temp.	-20°C - 70°C
Storage Temp.	-30°C – 85°C
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■ Ordering Information	
Part number	3632 TaskRunner 2410E (one PCIe x4 expansion slot)
Part number	3633 TaskRunner 2420 (two PCI expansion slots)
Packing list	TaskRunner Embedded System (incl. 4GB DDR3 RAM)



TaskRunner 2410E back view

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TaskRunner 2420 back view

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