Model Information

■ 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
- miniPCIe Socket
- Power Input 16V-30V

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TaskRunner 2000

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■ Overview

Integrated with Intel Atom N270 1.6GHz processor and 945GSE embedded chipset, TaskRunner 2000 series are an energy efficient solution in a lightweight system, featuring the performance and reliable operation of industrial grade non-stop system design.

TaskRunner 2000 series feature an on-board 1.6GHz Intel Atom N270 processor with 945GSE chipset. The entire system consumes less than 25 watts power, making the operating both energy efficient and cost effective. Coupled with its four serial ports (two support RS422/485 with auto-flow control feature), dual Gigabit LAN ports, four USB ports and one external CF socket, the TaskRunner 2000 series are also equiped with one mini-PCIe socket and one or two PCI slots for expansion needs. The system supports a wide range of DC input from 16V - 30V.

With guaranteed long product life cycle, it makes the the TaskRunner 2000 series the most ideal model for embedded vertical markets including factory automation, access control, machinery control, equipment control, outdoor advertising systems and self-service systems such as vending machines, ticketing kiosks and POS.

■ System

CPU	Intel Atom N270 processor, 1.6GHz
Chipset:	Intel 945GSE + ICH7M resolution up to 1600x1200
Memory	2GB DDR2 400/533MHz (2GB max.) 1x 240-pin SO-DIMM
I/O Interface Front	• 2x USB2.0 ports • 4x serial port (COM3 and COM4 terminal block supporting RS232/422/485, auto-flow control) • 1x Parallel port (only TaskRunner 2010 and 2020)

	• ATX power on/off switch • HDD access/power status LEDs
I/O Interface Rear	• 2x GbE LAN ports (Realtek RTL8168C/RTL8111C Chipset) • 2x USB 2.0 ports • 1x DB15 VGA port • 1x PS/2 keyboard/mouse • 1x speaker-out • 1x CF card socket • 1x antenna hole • 16-30V DC power input

■ Storage

HDD/SSD	1x 2.5" SATA HDD drive bay
Flash	1x external CF socket

■ Chassis

Construction	Aluminium chassis with fanless design
Expansion slot	• 1x PCI (TaskRunner 2010) • 2x PCI (TaskRunner 2020)
Dimensions	195x 200x 65mm (TaskRunner 2000) 195x 200x 81mm (TaskRunner 2010) 195x 200x 101mm (TaskRunner 2020)

■ Power Requirements

DC	16V - 30V DC on-board power support
AC	Optional 19V, 65W external power adapter

■ Power Consumption

Full loading mode	ca. 24W
Standby mode	ca. 12W

■ Environment

Operating Temp.	-5°C - 55°C
Storage Temp.	-20°C – 80°C

■ Ordering Information

Part number	3170 TaskRunner 2000
Part number	3171 TaskRunner 2010 (one PCI expansion slot)
Part number	3172 TaskRunner 2020 (two PCI expansion slots)
Packing list	TaskRunner Embedded System (incl. Atom N270 1.6GHz, 2GB DDR2 RAM) Driver CD, English documentation

TaskRunner 2000

TaskRunner 2000 back view

TaskRunner 2010 back view

TaskRunner 2020 back view

CF

DC IN
16V~30V