

Model Information



■ Features

- Atom D425 1.8GHz fanless
- 2GB DDR3
- 2x GbE LAN / 4x USB 2.0 / Audio
- 3x RS232, 1x RS232/422/485
- 1x VGA
- Operating temperature: -5°C - 55°C
- external CF socket / HDD Space / SATA DOM
- miniPCIe Socket + SIM
- Power Input 12V

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TaskRunner 103 (NISE 103)

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■ More Pictures



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■ Overview

Designed with Intel® D425 1.8 GHZ processor and ICH8M embedded chipset and 12VDC input to take a low power consumption advantage, TaskRunner 103 is a compact fanless industrial computing housed in a size of 185mm x 131mm x 54mm. The TaskRunner 103 supports three RS232, one RS232/422/485, two 10/100/1000 LAN port, four USB ports, one digital I/O, one VGA display, audio jack (speaker-out, Mic-in) and one external CF card socket. It is also a wireless-ready platform which has Mini-PCIe socket and SIM card holder onBoard to support optional GSM wireless module or Wi-Fi module (default). TaskRunner 103 has a digital I/O port which offers 8X isolated digital input/output channels.

With isolation protection of 2,500VDC, and dry contact support, TaskRunner 103 can be applied to industrial and building automation applications. With rich IO connection in palm-sized system, TaskRunner 103 is an ideal fanless system for gate control, public information, self-service system, POS, Kiosk, low-power budget devices, and transportation applications etc..

■ System

CPU	Intel Atom D425 Single Core processor, 1.80GHz, 512 KB Cache
Chipset:	Intel ICH8M resolution up to 1920x1080
Memory	2GB DDR3 800MHz (2GB max.) 1x 204-pin SO-DIMM

I/O Interface Front

- 2x USB2.0 ports
- 1x serial port (RS232/422/485)
- 2x serial port (RS232)
- 2x antenna holes
- ATX power on/off switch
- HDD access/power status LEDs
- 1x speaker-out & Mic-in

I/O Interface Rear

- 2x GbE LAN ports (Intel 82574L Chipset)
- 1x serial port (RS232)
- 2x USB 2.0 ports
- 1x VGA port
- 1x DB15 male 4x DI, 4x DO
- 1x CF socket
- 12V DC power input

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■ Storage

HDD/SSD

1x 2.5" SATA HDD drive bay

Flash

- 1x external CF socket
- 1x SATA DOM

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■ Chassis

Construction

Aluminium chassis with fanless design

Dimensions

185x 131x 54mm

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■ Power Requirements

DC

12V DC on-board power support

AC

Optional 12V, 60W external power adapter

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■ Power Consumption

Full loading mode

ca. 22W

Standby mode

ca. 9W

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■ Environment

Operating Temp.

-5°C - 55°C

Storage Temp.

-20°C – 80°C

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■ Ordering Information

Part number

3612
TaskRunner 103 (NISE 103)

Packing list

TaskRunner Embedded System
(incl. Atom D2550 1.86GHz, 2GB DDR3 RAM)
Driver CD, English documentation

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TaskRunner 103 front view

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