

Model Information



■ Features

- Atom E3826 1.46GHz fanless
- 2GB DDR3
- 2x GbE LAN / 2x USB 2.0 /1x USB 3.0
- 2x RS232, 2x RS232/422/485
- 1x DVI, 1x HDMI
- Operating temperature: -20°C - 70°C
- external Cfast socket / HDD Space
- miniPCIe Socket + SIM
- Power Input 9V-30V

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TaskRunner 105 (NISE 105)

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■ Overview

Powered by the latest generation of Intel® Atom™ processor E3826 (formerly codenamed "Bay Trail-I"), the TaskRunner 105 provides outstanding performance not only on computing but also on graphics, and it presents a brand new opportunity for both intelligent and industrial computing solutions. TaskRunner 105 supports up to 4G DDR3L memory and have several options on storage devices like CFast, HDD and SSD. The TaskRunner 105 is also the 1st system in Compact TaskRunner 1xx series to support extended operating temperature from -20 upto 70 degree C with wide DC input range from 9-30VDC. In addition to no cable connection on the TaskRunner 105, it brings TaskRunner 105 the sustainability to work in harsh environment both with temperature and vibration concern. The TaskRunner 105 has high integration ability with optional Mini-PCIe module and 4 x COM ports, which makes it a real intelligent system for various applications such as factory automation applications (with optional PROFIBUS, ProfiNET, DeviceNET, EtherCAT, Ethernet IP master module), network applications (with optional GbE LAN, Wi-Fi, 3.5G/4G LTE module) and communication applications (with optional GPIO, RS232/422/485). TaskRunner 105 is definitely the top choice for M2M intelligent system and factory automation platforms.

■ System

CPU

Intel Atom E3826 Dual Core processor, 1.46GHz

Chipset:

integrated in Intel E3826
resolution up to 1920x1080

Memory

2GB DDR3 1333/1066MHz (4GB max.)
1x 204-pin SO-DIMM

I/O Interface Front

- 1x USB2.0/1x USB3.0 ports
- 2x serial port (RS232/422/485)
- 1x external Cfast socket
- 1x SIM card holder
- 2x GbE LAN ports (Intel I1210IT)
- 1x DVI-I
- ATX power on/off switch
- 1x remote power on/off switch
- 1x 2-pin DC input (9-30V DC)
- HDD access/power status/battery low LEDs

I/O Interface Rear

- 2x serial port (RS232)
- 1x USB 2.0 ports
- 1x HDMI port
- 1x RTC battery
- 1x mic-in/1x line-out
- 2x antenna holes

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■ Storage

HDD/SSD

1x 2.5" SATA HDD drive bay

Flash

1x external CFast socket

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■ Chassis

Construction

Aluminium chassis with fanless design

Dimensions

185x 131x 54mm

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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. 20W

Standby mode

ca. 10W

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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

3614
TaskRunner 105 (NISE 105)

Packing list

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

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