

Model Information



■ Features

- Atom E3845 1.91GHz 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: -5°C - 55°C
- external Cfast socket / HDD Space
- miniPCIe Socket + SIM
- Power Input 9V-30V

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TaskRunner 105-E3845 (NISE 105-E3845)

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■ More Pictures



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■ Overview

Powered by the latest generation of Intel® Atom™ processor E3845 (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 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 E3845 Quad Core processor, 1.91GHz
Chipset:	integrated in Intel E3845 resolution up to 1920x1080
Memory	2GB DDR3 1333/1066MHz (4GB max.) 1x 204-pin SO-DIMM
	<ul style="list-style-type: none"> ● 1x USB2.0/1x USB3.0 ports ● 2x serial port (RS232/422/485)

I/O Interface Front

- 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. -5°C - 55°C

Storage Temp. -30°C – 85°C

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■ Ordering Information

Part number 3616
TaskRunner 105-E3845 (NISE 105-E3845)

Packing list TaskRunner Embedded System
(incl. Atom E3845 1.91GHz, 2GB DDR3 RAM)
Driver CD, English documentation

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