

Model Information



■ Features

- Intel Core 2 Duo 2.4GHz fanless design
- Intel GM45 Chipset
- 2GB DDR3 Memory
- 2x GigaLAN / 6x USB 2.0 / DVI-I and VGA
- 3x RS232, 1x RS232/422/485
- Compact Flash Adapter / HDD Space
- PCI or PCIe x1 Expansion Slot
- Power Input 16V-30V

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TaskRunner 3140

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■ Overview

The rugged TaskRunner 3140, powered by Intel Core 2 Duo processor and Intel GM45 chipset, delivers exceptional graphics performance due to the Intel graphics media accelerator 4500MHD. The TaskRunner 3140 provides a number of important features required by image processing operation, including dual-channel DDR3 memory, two Gigabit Ethernet LANs, auto-direction control on RS485 interface. On top of that, TaskRunner 3140 supports dual independent displays through 2x VGA or DVI outputs. Housed in a robust aluminium chassis, this systems fanless design offers noise-free, ultra reliable operating in the most demanding industrial environment.

The TaskRunner 3140 is an ideal system for industrial automation, machine automation, Automated Optical Inspection (AOI), visual inspection, video surveillance, image mapping and face recognition markets.

■ System

CPU

Intel Core 2 Duo Processor P8600
(3M cache, 2.4GHz, 1066MHz FSB)

Chipset:

Intel GM45
Intel Graphics Media Accelerator 4500MHD
resolution up to 2048x1536

Memory

2GB DDR3 800/1066MHz (4GB max.)
2x 240-pin DIMM

I/O Interface Front

- 2x USB2.0 ports
- 1x CF card socket
- ATX power on/off switch
- HDD access/power/LAN status LEDs
- 2x GbE LAN ports (Intel 82574L Chipset)

I/O Interface Rear

- 4x USB 2.0 ports
- 1x DB15 VGA port
- 1x DVI-I port (DVI-D + VGA)
- 1x DB44 serial port for 4x RS232 (COM2: RS232/422/485)
- 1x DB25 parallel port
- 1x PS/2 for keyboard/mouse
- 1x speaker-out
- 1x mic-in
- 16-30V DC power input
- 2-pin remote power on/off switch

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■ Storage

HDD/SSD 1x 2.5" SATA HDD drive bay

Flash 1x external CF socket

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■ Chassis

Construction Aluminium chassis with fanless design

Expansion slot

- 1x PCI (TaskRunner 3140)
- 1x PCIe x1 (TaskRunner 3140E)
- 2x PCI (TaskRunner 3140P2)
- 1x PCI, 1x PCIe x1 (TaskRunner 3140P2E)

DVD Slim DVD combo (TaskRunner 3145 only)

Dimensions

195x 268x 80mm (TaskRunner 3140, 3140E, 3145)
195x 268x 101mm (TaskRunner 3140P2, 3140P2E)

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■ Power Requirements

DC 16V - 30V DC on-board power support

AC Optional 19V, 120W external power adapter

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■ Power Consumption

Full loading mode ca. 56W

Standby mode ca. 19W

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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 3158
TaskRunner 3140 (one PCI expansion slot)

Part number 3192
TaskRunner 3140E (one PCIe x1 expansion slot)

Part number 3157
TaskRunner 3140P2 (two PCI expansion slots)

Part number 3191
TaskRunner 3140P2E (one PCI and one PCIe x1 expansion slot)

Part number 3198
TaskRunner 3145 (DVD slim combo)

Packing list

TaskRunner Embedded System
(incl. Core 2 Duo 2.4GHz, 2GB DDR3 RAM)
Driver CD, English documentation

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TaskRunner 3140

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TaskRunner 3140E

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TaskRunner 3140P2

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