

# RuffSystem™ 840

Extreme Rugged™ Intel® Core™ 2 Duo Computer System



## Features

- Passive convection-cooled chassis
- Intel® Core™ 2 Duo processor
- Internal expansion for Mini PCI and PCIe Mini Card
- Tested to MIL-STD-810G standards
- Wide range input: 12 to 32 VDC
- Windows® XP Professional or Ubuntu Linux® pre-installed
- Windows® CE, QNX®, and VxWorks® supported

## Specifications

### Core System

CPU	Intel® Core™ 2 Duo L7500, 1.60 GHz, 4M L2 Cache, 800MHz FSB, 17 W TDP Intel® Core™ 2 Duo U7500, 1.06 GHz, 2M L2 cache, 533MHz FSB, 10 W TDP
Chipset	Intel® GME965 GMCH and ICH8-M
Graphics	GME965 integrated Mobile Intel® GMA X3100
Memory	Dual Channel DDR2-667 SODIMM, up to 4GB

### Multi I/O and Storage

Expansion Slots	1x Mini PCI, 1x PCI Express Mini Card
CompactFlash	1x CF socket accessible via rear panel
Storage	2x 2.5" SATA SSD (32, 64, 128GB)
VGA	1x DB15 connector, supports up to 2048 x 1536 resolution
Ethernet	2x GbE (Intel® 82566, 82572EI controllers)
USB	4x USB 2.0 ports (4 root hubs)
Serial	2x RS-232, 2x RS-232/422/485
Parallel	1x EPP/ECP bidirectional port
PS/2	1x Keyboard/Mouse
Audio	3x 3.5mm jacks for Mic-in, Line-in, Line-out

### Power

DC Input	14-32 VDC (standard) 12-25 VDC (optional)
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### Mechanical

Dimensions	208 x 254 x 93.4mm (8.2 x 10 x 3.68") W x D x H
Weight	4.9 kg (10.8 lbs)

### Environmental

Operating Temperature	Standard: -20°C to +65°C Extended: -40°C to +75°C
Storage Temperature	-40°C to +85°C
Certifications	CE, FCC Class A, IP50 rated
Complies with MIL-STD-810G military standards for shock and vibration	

### Operating Systems

Standard Support	Windows XP Professional or Ubuntu Linux pre-installed
Extended Support (BSP)	Windows CE, QNX or VxWorks

## Ordering Information

Model Number	Description/Configuration
<b>RUF840W-02010-1101</b>	RuffSystem™ 840, 1.6GHz Core™ 2 Duo L7500, 32GB SSD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
<b>RUF840W-02010-A101</b>	RuffSystem™ 840, 1.6GHz Core™ 2 Duo L7500, 32GB SSD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
<b>RUF840W-03030-1101</b>	RuffSystem™ 840, 1.6GHz Core™ 2 Duo L7500, 128GB SSD, 4GB RAM, WinXP Professional, 14-32VDC, RoHS
<b>RUF840W-03030-A101</b>	RuffSystem™ 840, 1.6GHz Core™ 2 Duo L7500, 128GB SSD, 4GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
<b>RUF-ACC-US</b>	RuffSystem Starter Kit: AC adapter, software, and documentation
<b>RUF-ACA-US</b>	AC adapter (19VDC output), power cord

Other configurations available. Please contact your salesperson.

## Dimensions

Units: mm

