

# RuffSystem™ 840

Extreme Rugged™  
Intel® Core™2 Duo Computer System



## Features

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



**Featuring: COM 840 with Intel® Core™2 Duo 1.6GHz and Intel® 965GME Chipset**

Designed with Ampro by ADLINK™ Extreme Rugged™ COM 840 and EBX baseboard

- Size (WxHxD): 8x10x3"
- IP50 rated chassis

## Specifications

### Board Compatibility

COM 840 with rugged EBX Carrier Board  
High performance, conduction cooled 1.6GHz Intel® Core™2 Duo L7500 processor  
Chipset – Intel® GME965/CH8

### Modular/Expandable

Mini PCI and PCI Express Mini Card

### I/O

SATA - Internal HDD or SSD (up to 128GB)  
CompactFlash  
VGA - supports up to 2048 x 1536 resolution  
Ethernet – 2x GbE  
Serial – 4 ports, 2 supporting RS-232/422/485  
Parallel – EPP/ECP bidirectional port  
Floppy – Supported by USB (bootable)  
USB – 4 USB 2.0 ports (4 root hubs)  
PS/2 – Keyboard, Mouse  
Audio – Speaker-out, Line-in, Mic

### Network Interface

Ethernet - Dual Gigabit Ethernet: Intel® 82572EI and Intel® 82566

## Operating Systems

Available with Windows® XP Professional or Ubuntu Linux® pre-installed  
Support for Windows® CE, QNX® or VxWorks®

## Mechanical

Size (WxHxD): 8x10x3"

## Environmental

Temperature  
• Standard: -20°C to +65°C  
• Extended: -40°C to +75°C  
• Storage: -40°C to +85°C

IP50 rated

Meets MIL-STD-810 (shock, vibration, temperature) testing

## Power

- 14-32 VDC (standard)
- 12-25 VDC (optional)

## Ordering Information

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

Other configurations available. Please contact your salesperson.