



### Features

- Passive convection-cooled chassis
- Intel® Atom™ processor
- Internal expansion for two PC/104-Plus cards
- 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

#### Processor & System

Extreme Rugged™ LittleBoard™ 735 EBX SBC	
CPU	Intel® Atom™ N270, 1.60 GHz, 512K L2 Cache, 533 MHz FSB, 2.5W TDP
Chipset	Intel® 945GSE and ICH7M
Graphics	integrated Graphics Engine and GMA 950
Memory	DDR2-667 SODIMM, up to 2GB

#### I/O Interfaces

Expansion Slot	1x PCI/104-Plus, 1x PCI Express Mini Card
CompactFlash	1x
SATA	1x 2.5" SSD (32, 64, 128GB)
VGA	1x DB15 connector, supports up to 2048 x 1536 resolution
Ethernet	2x GbE (Intel® 82574IT controller)
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

#### Operating Systems

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

#### Mechanical

Dimensions	208 x 254 x 93.4mm (8.2 x 10 x 3.68") W x D x H
Weight	4.7 kg (10.4 lbs)

#### Environmental

Operating Temp.	Standard: -20°C to +65°C Extended: -40°C to +70°C
Storage Temp.	-40°C to +85°C
Certifications	CE, FCC Class A
IP50 rated	
Complies with MIL-STD-810G military standards for shock and vibration	

#### Power

Input	14~32 VDC (standard) 12~25 VDC (optional)
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### Ordering Information

Model Number	Description/Configuration
RUF735W-02010-1101	RuffSystem™ 735, 1.6 GHz Atom™ N270, 32GB SSD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
RUF735W-02010-A101	RuffSystem™ 735, 1.6 GHz Atom™ N270, 32GB SSD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
RUF735W-02030-1101	RuffSystem™ 735, 1.6 GHz Atom™ N270, 128GB SSD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
RUF735W-02030-A101	RuffSystem™ 735, 1.6 GHz Atom™ N270, 128GB SSD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
RUF-ACC-US	RuffSystem™ Starter Kit: AC adapter, software, and documentation
RUF-ACA-US	AC adapter, power cord

Other configurations available. Please contact your salesperson.

### Dimensions

Units: mm

