



Features

- Passive convection-cooled chassis
- Intel® Core™2 Duo processor
- Uniquely-keyed D38999 connectors
- Tested to MIL-STD-810G standards
- Internal expansion for Mini PCI and PCIe Mini Card
- Wide range input: 12 to 32 VDC
- Windows® XP Professional or Ubuntu Linux® Preinstalled
- 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	1x 2.5" SATA SSD (32, 64, 128GB), 1x External
VGA	supports up to 2048 x 1536 resolution
LVDS	
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
Floppy	Supported by USB (bootable)
PS/2	Keyboard
Audio	Mic-in, Line-in, Line-out

Power

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

Mechanical

Dimensions	208 x 254 x 93.4mm (8.2 x 10 x 3.68") W x D x H
Weight	4.8 kg (10.6 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
MIL840W-02010-1101	MilSystem™ 840, 1.6GHz Core 2 Duo L7500, 32GB SSD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
MIL840W-02010-A101	MilSystem™ 840, 1.6GHz Core 2 Duo L7500, 32GB SSD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
MIL840W-03030-1101	MilSystem™ 840, 1.6GHz Core 2 Duo L7500, 128GB SSD, 4GB RAM, WinXP Professional, 14-32VDC, RoHS
MIL840W-03030-A101	MilSystem™ 840, 1.6GHz Core 2 Duo L7500, 128GB SSD, 4GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
MIL-ACC-US	MilSystem™ Starter Kit: MC1, MC2, MC3 breakout cables, AC adapter, software, and documentation
MIL-ACA-US	MilSystem™ AC adapter (19VDC output), power cord

Other configurations available. Please contact your salesperson.

Dimensions

