MilSystem™ 735

Extreme Rugged™ Intel® Atom™ COTS Military Computer

Features

- Passive convection-cooled chassis
- Intel® Atom™ system
- Tested to MIL-STD-810F standards
- Uniquely-keyed D38999 connectors
- Internal expansion for two PC/104-*Plus* cards
- Wide range input: 12 to 32 VDC
- Windows® XP Professional or Ubuntu Linux® pre-installed
- Windows® CE, QNX®, and VxWorks® supported

Featuring: LittleBoard™ with Intel® Atom™ 1.6GHz 1.6GHz and 945GSE Chipset

Designed with Ampro by ADLINK™ LittleBoard™ 735

- Size (w,h,d): 8x10x3”
- IP50 rated chassis

Specifications

Board Compatibility

LittleBoard™ 735 EBX SBC

Low power, conduction cooled Intel® Atom™ processor

Intel® Atom™ processor N270 at 1.6GHz

Chipset – Intel® 945GSE / ICH7M

Modular/Expandable

Support for two PC/104-*Plus* expansion cards

I/O

SATA – 1x Internal HDD or SSD (up to 128GB)
– 1x External

CompactFlash

VGA – Supporting 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

Audio – Speaker-out, Line-in, Mic

LVDS

Network Interface

Ethernet – Dual Gigabit Ethernet Intel® 82574IT

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

Complies with MIL-STD-810G military standards for shock and vibration

Power

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

Ordering Information

Model Number	Description/Configuration
MIL735W-02010-1101	MilSystem™ 735, 1.6 GHz Atom™ N270, 32GB SSD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
MIL735W-02010-A101	MilSystem™ 735, 1.6 GHz Atom™ N270, 32GB SSD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
MIL735W-02100-1101	MilSystem™ 735, 1.6 GHz Atom™ N270, 80GB HDD, 2GB RAM, WinXP Professional, 14-32VDC, RoHS
MIL735W-02100-A101	MilSystem™ 735, 1.6 GHz Atom™ N270, 80GB HDD, 2GB RAM, Ubuntu 8.04 LTS, 14-32VDC, RoHS
MIL-ACC-US	MilSystem™ Starter Kit: MC1, MC2, MC3 breakout cables, AC adapter, software, and documentation

Other configurations available. Please contact your salesperson.