

AR-ES6003FL

Fanless and Dustproof Intel Atom D525/D425 Embedded System with PCI and PCIe Expansion Slot



Embedded System

Features

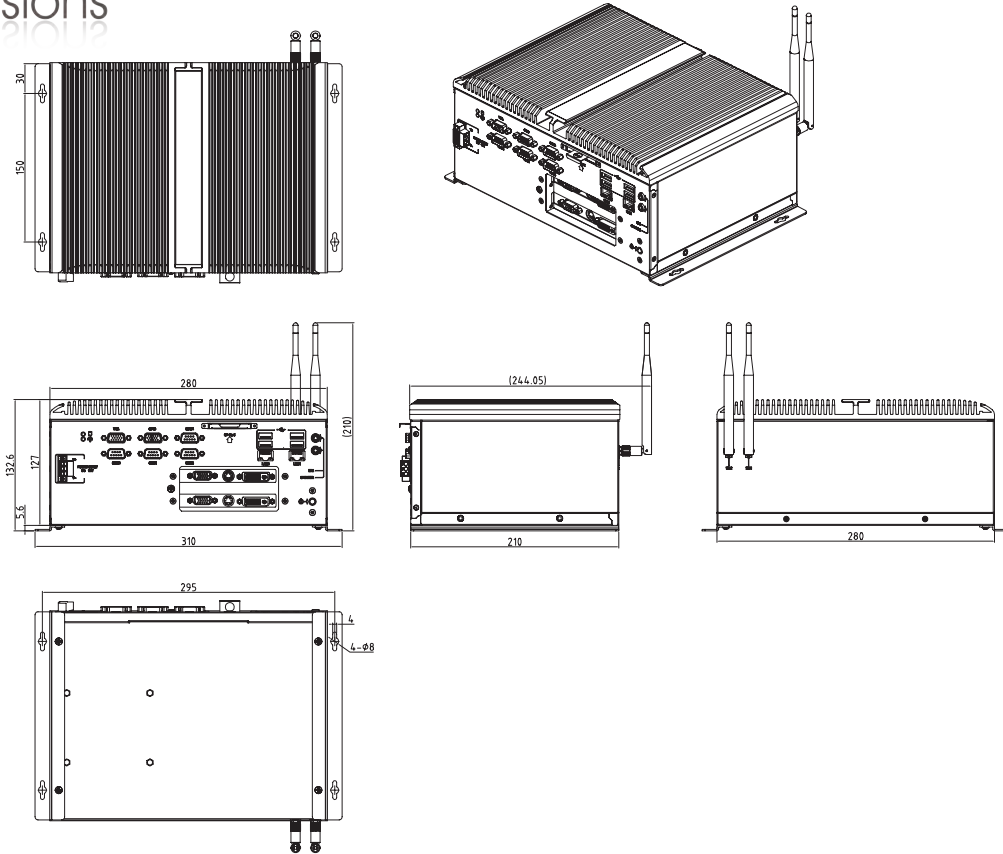
- Support Intel Atom D525 (Dual Core) and D425 (Single Core)
- 2 x DDR3 SO-DIMM, up to 4GB
- Dedicated / selectable PCI & PCI Express x1 Expansion Slot
- mini-PCIe Expansion Slot
- Use JST connectors and switch to avoid cables drop
- Support Win XP, 7, Fedora 14 and Ubuntu 10



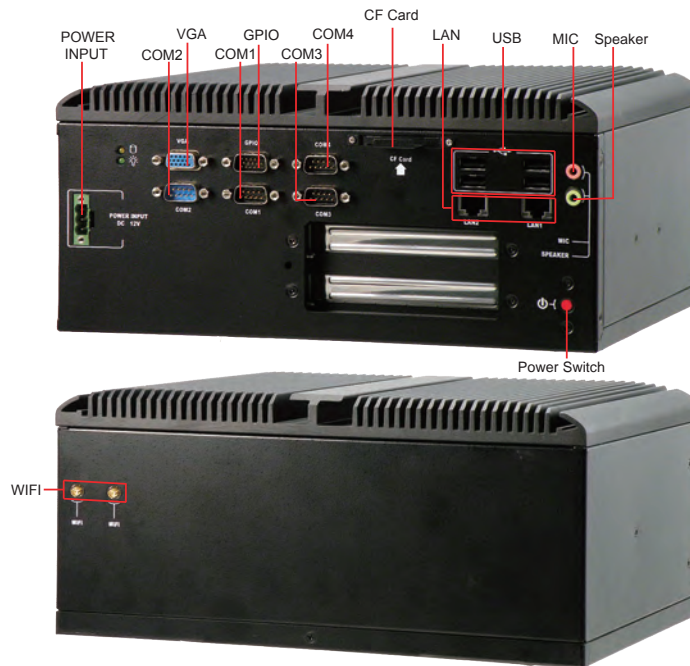
Specification

System	
CPU	Intel Atom Dual Cores D525 and Single Core D425
Chipset	Intel ICH8M
Memory	<ul style="list-style-type: none"> ● 2 x 204-pin SO-DIMM socket support DDR3-800 up to 4GB ● 1GB DDR3 pre-installed
Video	
Graphic Controller	Intel Atom D525/D425 integrated
Video Memory	DVMT 4.0
Video Interface	<ul style="list-style-type: none"> ● 1 x VGA port (DB15) ● 1 x 18-bit LVDS (Pin Header)
Storage	
SATA	2 x SATA II port with SATA II power connector
CF	1 x Compact Flash Type I/II slot support UDMA 33
Disk Bay	1 x 2.5" SATA Disk Bay
Communication	
Ethernet	2 x Gbps RJ45 with LED, Realtek RTL8111DL
USB	6 x USB 2.0 (4 x external port, 2 x JST pin header)
Serial Port	<ul style="list-style-type: none"> ● 3 x RS232 (DB9) ● 1 x RS232/422/485 (DB9, switch selectable)
Expansion	
AR-RS20	Riser Card (2 * PCI Express x1 expansion slots)
AR-RS21	Riser Card (1 * PCI + 1 * PCI Express x1 expansion slots)
miniPCIe	1 x miniPCIe

Other Feature	
Audio	Realtek Audio Codec (Line-out & MIC-in)
Hardware Monitoring	CPU voltage and temperature
WatchDog Time	Software programmable 1~255 sec.
Indicator	Power and HDD LED
Digital Input	4 x TTL input
Digital Output	4 x 500mA digital output
Power Requirement	
Power Input	12V (+/-5%) single voltage input, 3 poles terminal block
Power adapter	100 ~ 240V, 96W power adapter
Power Consumption	32.6W @ 12V
Software	
OS Support	Windows XP, Windows 7, Fedora 14, Ubuntu 10
Mechanical & Environment	
Thermal Design	Fanless
Chassis Material	SECC + Aluminum heatsink
Dimension (W x D x H)	280mm x 210mm x 127mm
Weight	2.5Kg
Operating Temp.	0~55°C (32~131°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE, FCC class B



I/O Connectors



Packing List

- 1 x AR-ES6003FL
- 1GB memory pre-installed
- 1 x User manual & Driver CD
- 1 x AC Power Cord (USA or UK or Japan or Europe)
- 1 x 96W Power Adapter
- 1 x SATA cable & SATA power cable
- 2 x Mounting bracket
- 1 x AR-RS20 riser card
- 1 x AR-RS21 riser card

Ordering Information

- AR-ES6003FLD525** Intel Atom D525 Embedded System with 1GB DDR3 memory, PCI and PCIe Expansion Slot
- AR-ES6003FLD425** Intel Atom D425 Embedded System with 1GB DDR3 memory, PCI and PCIe Expansion Slot

Optional (Purchase Separately)

- WiFi Module** mini-PCIe card with RF cable and antenna
- LVDS** LVDS cable