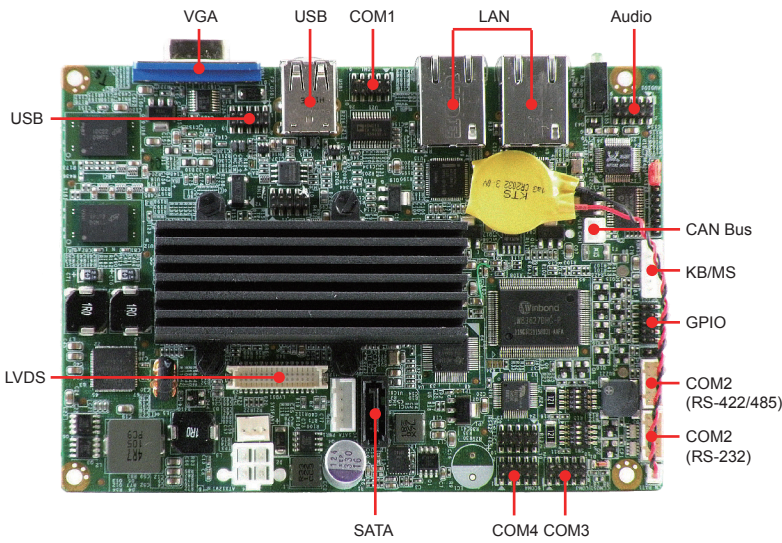


AR-B6051

3.5" Intel Atom E640 1GHz SBC

3.5"



Features

- Intel Atom E640 1GHz
- Onboard DDR2 1GB
- VGA/LVDS
- 2 x GbE, 4 x COM, 4 x USB 2.0, SATA, CF, CAN bus
- Mini PCIe Expansion



Specification

System	
CPU	Intel Atom E640 1GHz
Chipset	Intel EG20T
Memory	Onboard DDR2-800 1GB
BIOS	Phoenix
Hardware Monitoring	<ul style="list-style-type: none"> ● CPU voltage and temperature ● Fan speed
WatchDog Timer	Software programmable 1~255 sec. (+/- 5%)
Video	
Graphic Controller	Intel Atom E600 series integrated graphic engine
Video Memory	Maximum 64MB shared
Video Interface	<ul style="list-style-type: none"> ● 1 x VGA (DB15) ● 1 x 18/24-bit LVDS (Pin header)
Storage	
IDE	N/A
SATA	1 x SATA II port
CF	1 x Compact Flash Type I/II slot
I/O	
Ethernet	2 x GbE RJ45 with LED, Intel 82574L
Expansion Slot	<ul style="list-style-type: none"> ● 1 x Mini PCIe slot ● 1 x CAN Bus
Serial Port	<ul style="list-style-type: none"> ● 3 x RS-232 (3 x pin header) ● 1 x RS-232/422/485 (JST, COM2)
USB	4 x USB 2.0 (2 x external port, 2 x pin header)
GPIO	8-bit Digital I/O
PS/2	1 x KB/MS (Pin Header)
Audio	Realtek ALC662 Audio Codec
Mechanical & Environment	
Dimension	146mm x 102mm (5.7" x 4")
Operating Temp.	0~50°C (32~122°F)
Storage Temp.	-20~80°C (-4~176°F)
Safety	CE, FCC class A
Power Requirement	
Power Input	12V (+/-5%) single voltage input
Power Consumption	19.38W, 1.62A @ 12V
Software	
OS Support	Windows XP 32-bit, Fedora 14 32 / 64-bit, Ubuntu 10.04 32 / 64-bit

Packing List

- 1 x AR-B6051E64
- 1 x Driver CD
- 1 x Quick Manual
- 1 x Audio cable

Ordering Information

AR-B6051E64 3.5" SBC supports Intel Atom E640 1GHz, onboard DDR2, GbE, USB 2.0, VGA, LVDS, COM, SATA, CF, Mini PCIe

Accessory (Optional)

- ACC-6051:
- 1 x SATA + SATA Power cable
 - 3 x COM cable (for COM1, COM3 & COM4)
 - 1 x COM cable (JST, for COM2 RS-232)
 - 1 x COM cable (JST, for COM2 RS-422/485)
 - 1 x USB cable
 - 1 x KB/MS Y cable

Dimension

