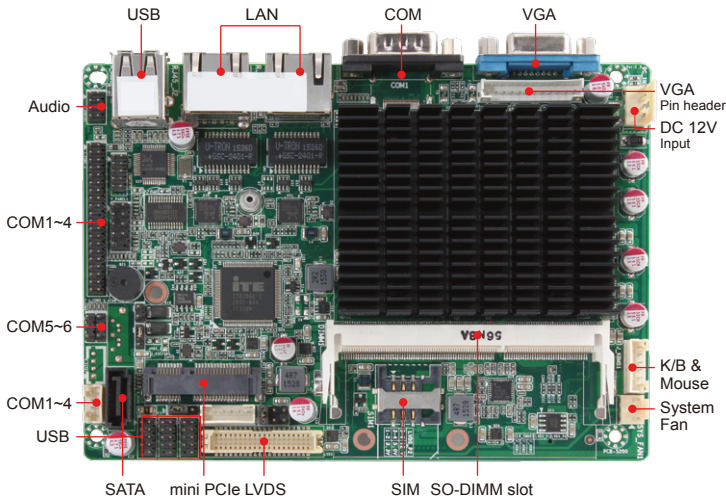


# AMB-BT19S1

3.5" SBC Intel Bay Trail SoC, 1 x VGA, 1 x LVDS, 2 x GbE, 6 x COM, 8 x USB, 2 x mini PCIe, 1 x SATA II, 1 x mSATA



## Features

- Intel Bay Trail SoC, low power consumption.
- 1 x DDR3L-1333MHz, SO-DIMM, up to 8GB
- 8 x USB port(2 x USB 3.0, 6 x USB 2.0), 6 x COM
- 2 x GbE LAN, 2 x mini PCIe, 1 x SIM slot
- 1 x SATA II, 1 x mSATA
- 12V Input
- Fanless design



## Mechanical & Environment

Dimension	146 x 105 mm (5.7" x 4")
Operating Temp.	0~60°C
Storage Temp.	-20~75°C
Safety	RoHS

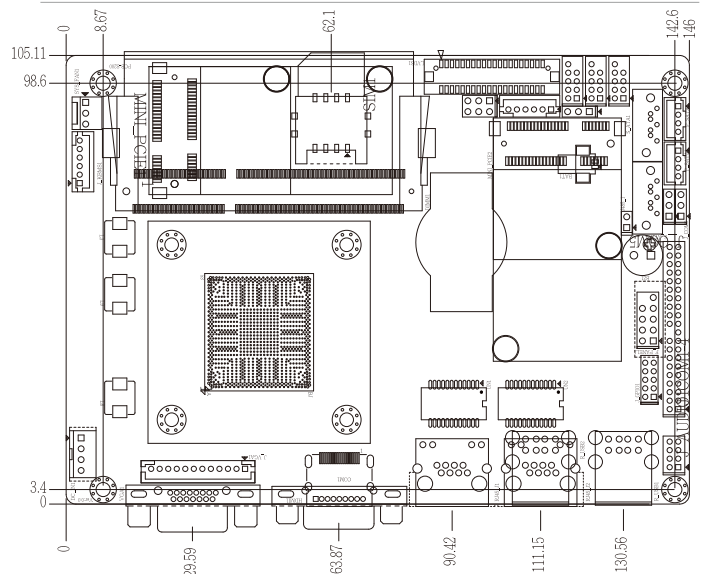
## Packing List

- AMB-BT19S1
- Quick User Guide
- Driver CD
- SATA Cable

## Ordering Information

AMB-BT18S1	Intel Celeron J1800, Dual Core, 1M cache, 2GHz (2.41GHz), 10W (2 x LAN, 6 x COM)
AMB-BT19S1	Intel Celeron J1900, Quad Core, 2M cache, 2GHz (2.41GHz), 10W (2 x LAN, 6 x COM)
AMB-BT15S1	Intel Atom E3815, Single Core, 0.5M cache, 1.46GHz, 5W (2 x LAN, 6 x COM)
AMB-BT45S1	Intel Atom E3845, Quad Core, 2M cache, 1.91GHz, 10W (2 x LAN, 6 x COM)

## Dimension



## Specification

### Specification

CPU	1. Intel® Celeron® J1800, Dual-Core, 1M Cache, 2GHz (2.41GHz), 10W(AMB-BT18S1)
	2. Intel® Celeron® J1900, Quad-Core, 2M Cache, 2GHz (2.41GHz), 10W(AMB-BT19S1)
	3. Intel® Atom™ E3815, Single-Core, 0.5M Cache, 1.46GHz, 5W (AMB-BT15S1)
	4. Intel® Atom™ E3845, Quad-Core, 2M Cache, 1.91GHz, 10W (AMB-BT45S1)
Chipset	Intel Bay Trail SoC
Memory	1 x DDR3L-1333MHz, SO-DIMM, up to 8GB (AMB-BT19S1)
BIOS	AMI UEFI BIOS
<b>Video</b>	
Graphic Controller	Intel® HD Graphics
Video Memory	Shared Memory
Video Interface	<ul style="list-style-type: none"> <li>• 1 x VGA (Resolution up to 2560 x 1600 @ 60Hz)</li> <li>• 1 x LVDS (24-Bit Dual channel LVDS, Resolution up to 1920x1200 @ 60Hz)</li> </ul>
<b>Storage</b>	
SATA	1 x SATA II Port + 1 x mSATA
<b>I/O</b>	
Ethernet	2 x GbE LAN(Optional)
Expansion Slot	2 x mini PCIe
Ethernet Chip	2 x Realtek GbE LAN Chip
Serial Port	<ul style="list-style-type: none"> <li>• COM1(DB9 connector)</li> <li>• COM6(RS232/485)</li> <li>• COM1~COM5 x RS232 2.0 pitch pin header</li> </ul>
USB	• 8 x USB port(2 x USB 3.0, 6 x USB 2.0)
GPIO	8 bit Digital I/O
Audio	Realtek ALC888 5.1-channel High Definition Audio 1 x Line in, 1 x Line out
Keyboard	1 x PS/2 Header for Key Board/Mouse
SIM	1 x SIM slot
<b>Power Requirement</b>	
Power Input	4-Pin power connector
Power Output	1 x System FAN 3-Pin Power connector
<b>Software</b>	
OS Support	Windows 7 (32 bit/64 bit), Windows 8.1 (32 bit/64 bit) Linux (by request)

Specifications are subject to change without notice.