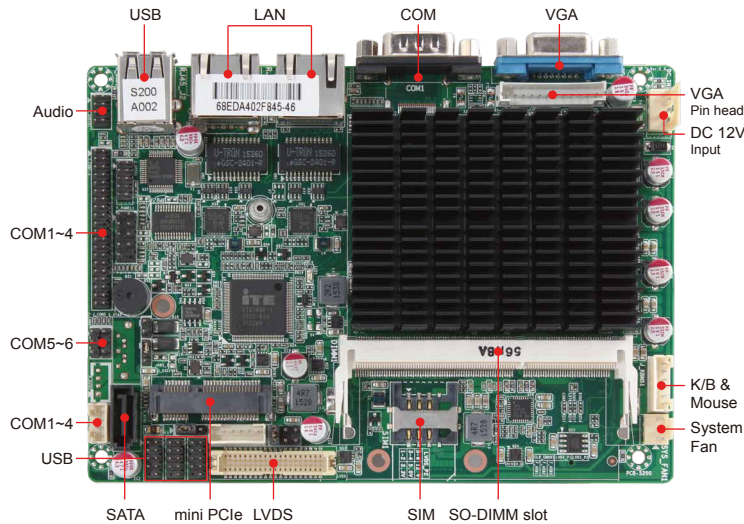


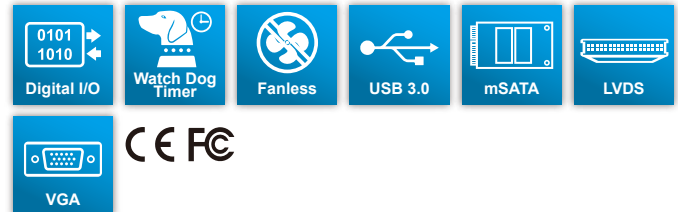
AMB-BT19S1

Intel Bay Trail SoC, 1 x VGA, 1 x LVDS, 2 x GbE, 6 x COM, 7 x USB 2.0, 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
- 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



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

Video

Graphic Controller	Intel® HD Graphics
Video Memory	Shared Memory
Video Interface	• 2 x VGA (Resolution up to 2560 x 1600 @ 60Hz) • 1 x LVDS (24-Bit Dual channel LVDS, Resolution up to 1920x1200 @ 60Hz)

Storage

SATA	1 x SATA II Port + 1 x mSATA
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I/O

Ethernet	2 x GbE LAN(Optional)
Expansion Slot	2 x mini PCIe
Ethernet Chip	2 x Realtek GbE LAN Chip
Serial Port	• COM1(DB9 connector) • COM6(RS232/485) • COM1~COM5 x RS232 2.0 pitch pin header
USB	• 2 x USB 2.0 port on rear I/O • 5 x USB 2.0 pin header
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

Power Requirement

Power Input	4-Pin power connector
Power Output	1 x System FAN 3-Pin Power connector

Software

OS Support	Windows 7 (32 bit/64 bit), Windows 8.1 (32 bit/64 bit) Linux (by request)
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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

