



## Features

- Intel Bay Trail-D platform
- 3.5" Size motherboard
- SO-DIMM DDR3L Memory
- 6 x COM, Support RS232/RS485
- 10 x USB2.0 Max.
- Support LPT
- Support 3G/4G Module
- Support dual display: VGA/eDP+LVDS

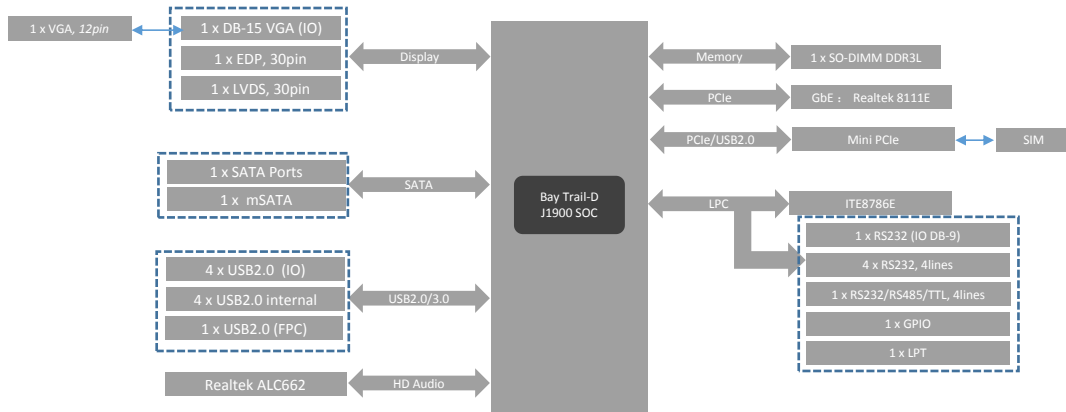
## Specification

Processor	Intel Celeron J1900 SOC, 2.0~2.42GHz, 4Core, TDP 10w	
Memory	1 x SO-DIMM DDR3L, Max. 8GB	
Storage	2 x SATA ports 1 x MSATA	
Graphics	Intel® HD Graphics	
Wireless	1 x Mini PCI-e, WIFI/4G Module	
3G/4G	1 x SIM card holder	
Network	1 x Gigabit Ethernet	
Audio	Realtek ALC662 HD Audio IC	
I/O interface	VGA	1
	DB-9	1, RS232
	USB2.0	4
	RJ-45	1
Internal Interfaces	F_Audio	1, 9pin
	GPIO	1, 11 pin
	COM	5, COM5 supports RS232/RS485
	FPANEL	1, 16pin HDD/PWR LED,RST,PWR
	LPT	1, 26pin
	PS/2	1, 6pin
	LVDS PWR	1, 5pin Backlight power supply
	LVDS	1, 40pin
	FPC	1, 30pin, USB2.0 x2, COM x3
	USB2.0	4, 2 x 9pin
	SATA Port	1
	SATA Power	1, 4pin
	SYS FAN	1, 3pin
	VGA	1, 12pin
eDP	1, 30pin	
Power input	12V DC IN, 1x4pin 2.54mm	
Power output	12V/5V/3.3V out	
Watchdog	Support	
Dimension	146 x 105 mm	
Working enviroment	Working temperature : -10°C~60°C	
	Storage temperature: -20°C~70°C	
Relative humidity	10%~90% ( non-condensing )	

## I/O



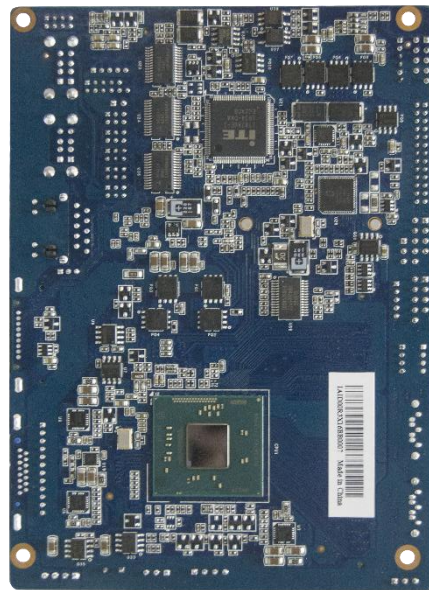
## Block Diagram



## Overview



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## Ordering Information

P/N	SOC	EDP	VGA	LVDS	FPC	SO-DIMM	SIM	GbE LAN	USB2.0/3.0	COM	SATA/MSATA	Mini PCIe	GPIO
BD19E1D9-6	J1900	1	1	1	1	1/DDR3L	1	1	9/0	6	1/1	1	1

## Packing list

Description	Qty
Motherboard	20 pcs ( work package )
Manual	TBD
Drive disk	TBD



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