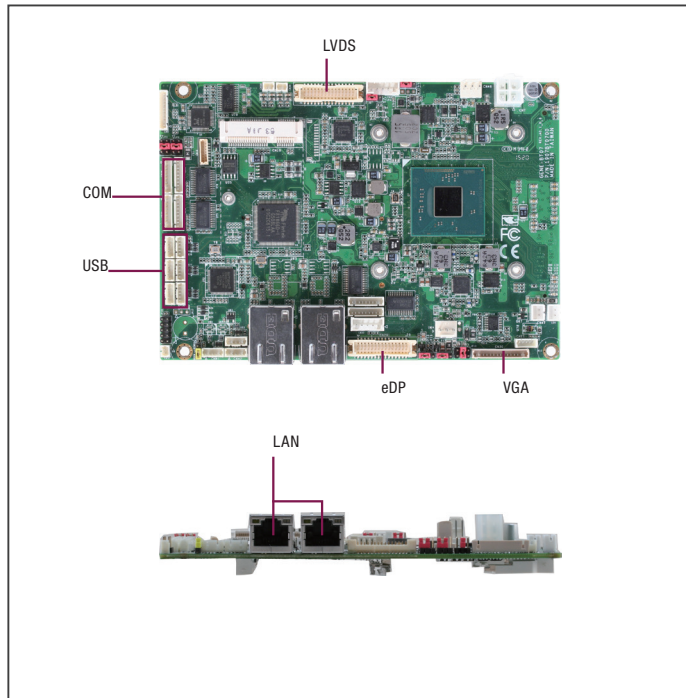


## 3.5" SubCompact Board with Intel® Celeron® J1900 Processor SoC



## Features

- Intel® Celeron® J1900 Processor SoC
- DDR3L 1333 SODIMM Memory Max. up to 8GB
- VGA, LVDS, eDP (optional, support by BOM change)
- 2 CH Audio, Support 8ohm/2W Speaker
- 9 USB 2.0, 6 COM
- Mini-Card Slot x 1 (Full-size), mSATA x 1(Half-size)
- DC 12V AT/ATX Mode



## Specifications

System	
Form Factor	3.5" SubCompact Board
CPU	Intel® Celeron® J1900 Processor SoC
CPU Frequency	Up to 2.0 GHz
Chipset	Intel® Celeron® J1900 Processor SoC
Memory Type	DDR3L 1333MHz SODIMM x 1
Max. Memory Capacity	Up to 8GB
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V
Power Supply Type	AT/ ATX Mode
Power Consumption (Typical)	Intel® Celeron® J1900, DDR3L 1600MHz 8G, 1.06A@+12V
Dimension (L x W)	5.75" x 4" (146mm x 101.7mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	40°F ~ 176°F (-40°C ~ 81°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	204,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Celeron® J1900 Processor SoC
Video Output	VGA, LVDS, eDP (optional, support by BOM change)
Backlight inverter supply	18/24-bit dual channel LVDS LCDs
I/O	
Ethernet	RTL8111E, RJ-45 x 2
Audio	Realtek ALC892 CODEC, MIC-In AMP TI3113, Support 8ohm/4W speaker
USB Port	USB2.0 x 9
Serial Port	RS-232 x 6
Parallel Port	—
HDD Interface	—
FDD Interface	—
SSD	mSATA x 1 (half size)
Expansion Slot	Mini-Card x 1 (Full-size)
DIO	—
TPM	—
Touch	Reserve USB2.0 x 1 connector to expend

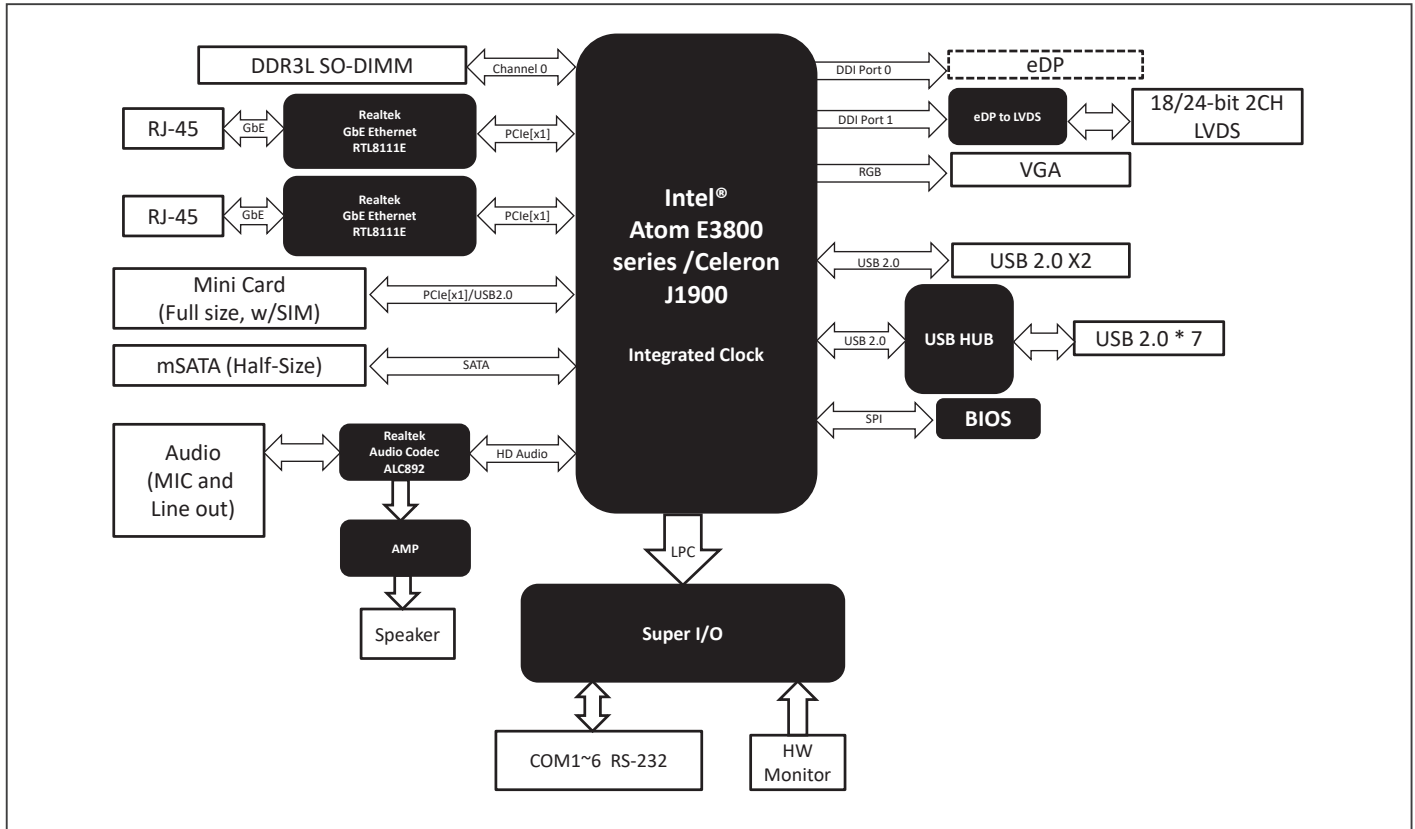
## Packing List

- GENE-BT07

## Optional Accessories

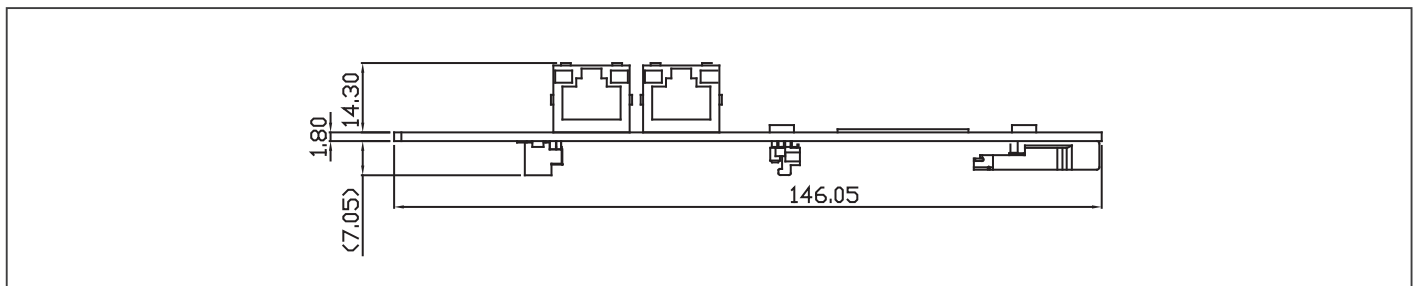
Part Number	Description	QTY
1709100254	(TF)PHONE JACK Cable. 3P AUDIO JACK. 1*10P 1.25mm HOUSING(F). 25cm	1
1700050207	(TF)USB CABLE. 1*5P Pitch=1.25mm Housinh. 20cm. for PFM-945C	9
1701090150	(TF)Flat Cable. D-Sub 9(M). 9P Housing. 9P 1.25mm pitch Housing. 15cm	6
1704150153	(TF)CRT CABLE. 1*15P Pitch=1.25mm. Housing. 15cm	1
GENE-BT07-HSK03	Heat Sink.60*60*25mm.Silver.GENE-BT07	1

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
GENE-BT07-A11-0001	Intel®Celeron® J1900	Fanless	CRT + LVDS	24bit,2CH	mSATA x 1 (Half-size)	Gbe x 2	UBS2.0 x 9	6	—	Mini Card x 1 (Full-Size)	+12V, AT/ATX	0°C – 60°C	SIM