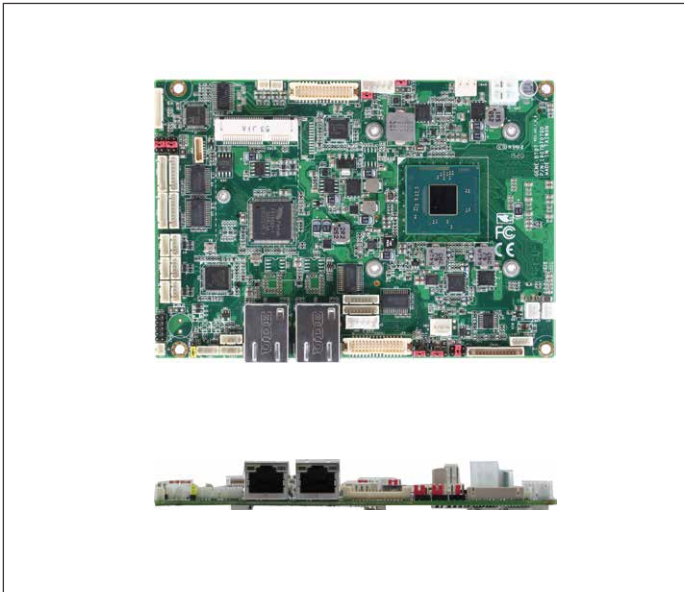


3.5" SubCompact Board with Intel® Celeron® J1900 Processor SoC



Features

- Intel® Celeron® J1900 Processor SoC
- DDR3L 1333 SODIMM Memory Max. up to 8GB
- VGA, LVDS, eDP
- 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 Mode Only

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 8G
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Level
Power Requirement	+12V
Power Supply Type	AT mode only
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	CRT+LVDS+eDP
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

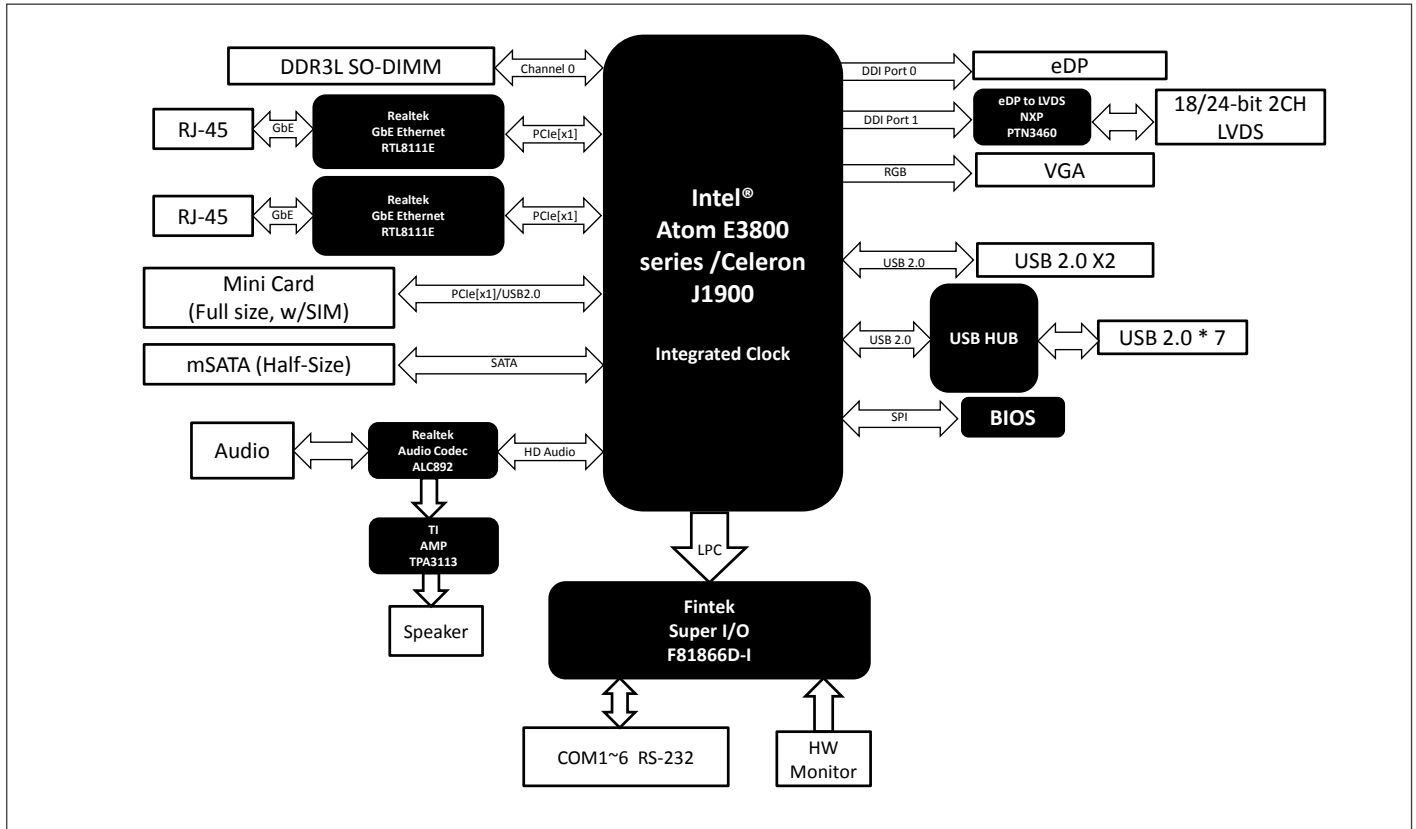
- Product DVD
- GENE-BT07

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
M16BT05000	(TF)Metal Al.Heat Sink.60*60*25mm.Silver.C&C.CMFA0260602802-00	1

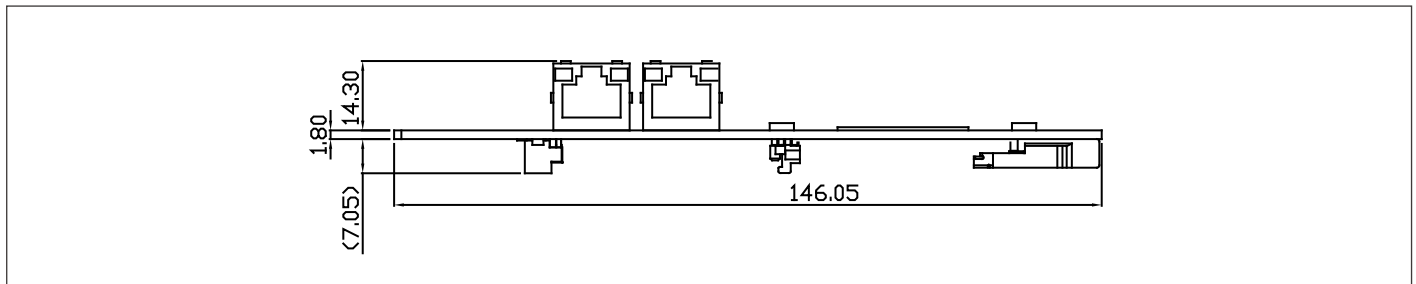
GENE-BT07

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-A10-0001	Intel® Celeron® J1900	Fanless	CRT + LVDS LVDS + eDP eDP + CRT	24bit, 2CH	mSATA x 1 (half-size)	GbE x 2	USB2.0 x 9	6	—	Mini-Card x 1 (Full-Size)	+12V, AT	0°C ~ 60°C	SIM