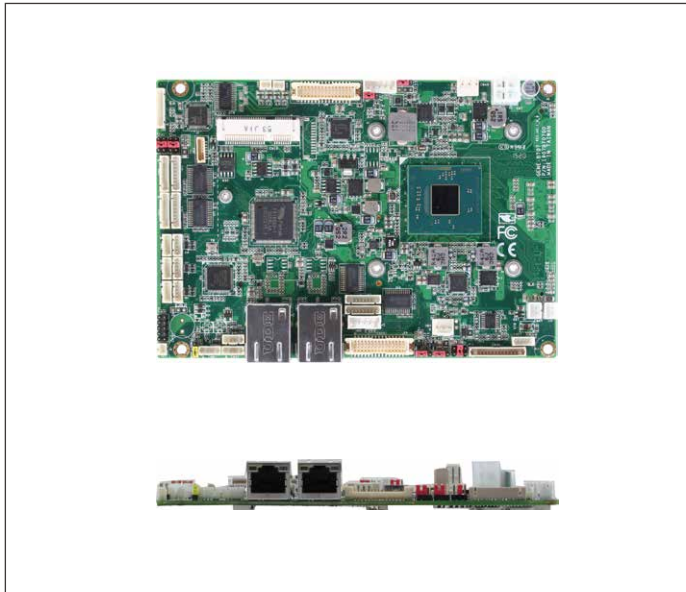


## 3.5" SubCompact Board with Intel® Celeron® J1900 Processor SoC



## 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<br>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

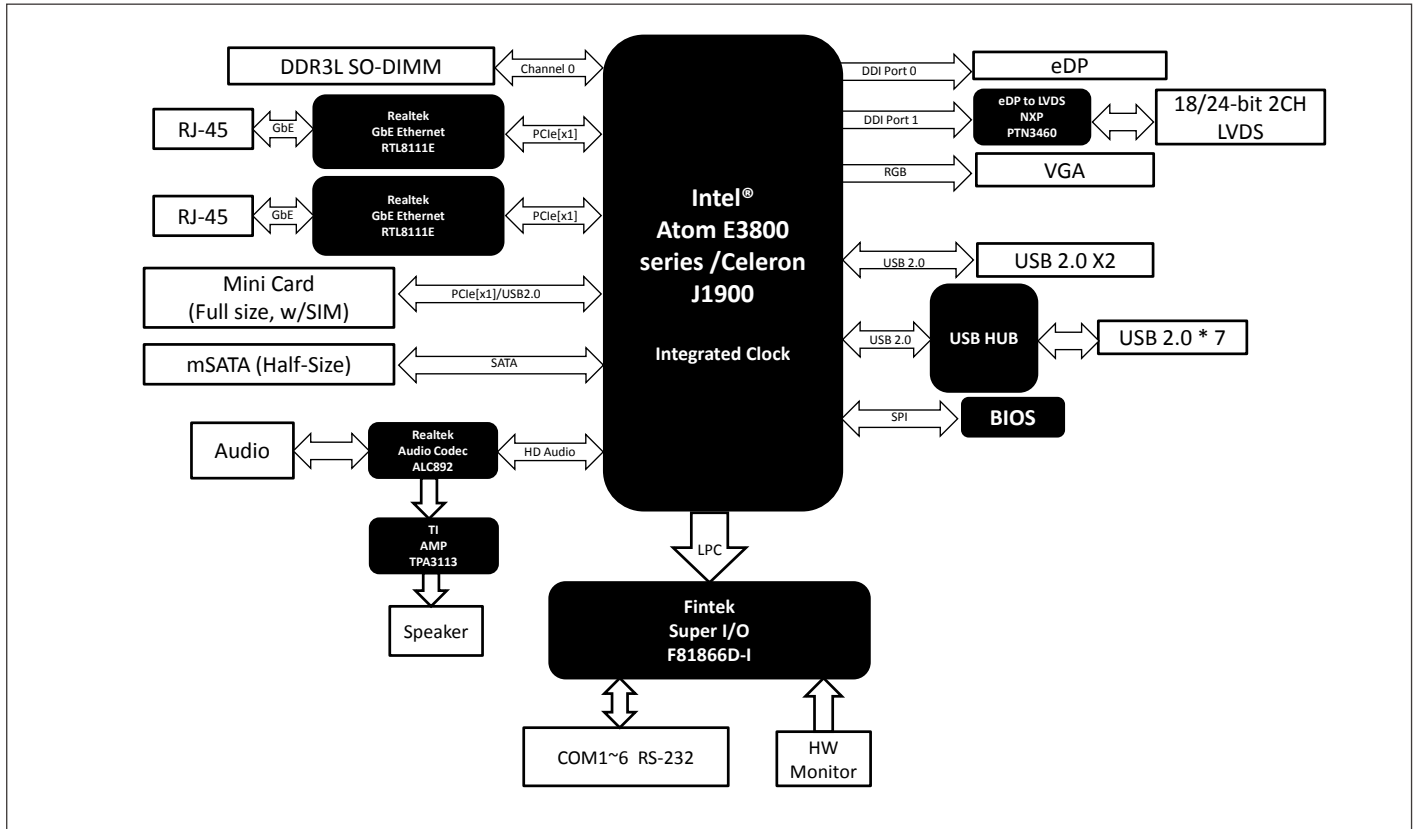
- Product DVD
- GENE-BT07

## 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   |

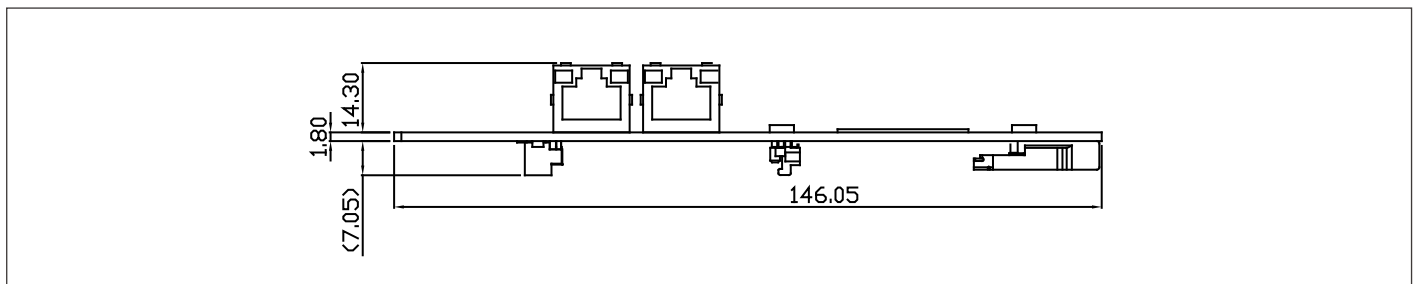
# GENE-BT07

## 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<br>LVDS + eDP<br>eDP + CRT | 24bit, 2CH | mSATA x 1<br>(half-size) | GbE x 2 | USB2.0 x 9 | 6      | —              | Mini-Card x 1 (Full-Size) | +12V, AT | 0°C ~ 60°C | SIM    |