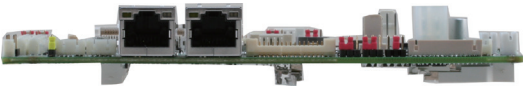
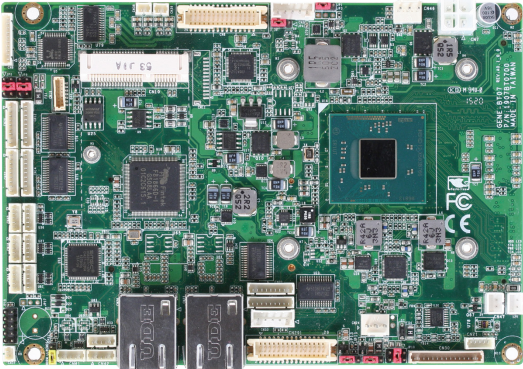


Motherboard

GENE-BT07

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



Order information

- GENE-BT07-A11-0001
3.5".Board.J1900.VGA/LVDS/eDP.9USB2.0.6COM.12V
DC.Rev A1.1

Optional Accessories

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

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) |
| 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 |
| SSD | mSATA x 1 (half size) |
| Expansion Slot | Mini-Card x 1 (Full-size) |
| Touch | Reserve USB2.0 x 1 connector to expend |