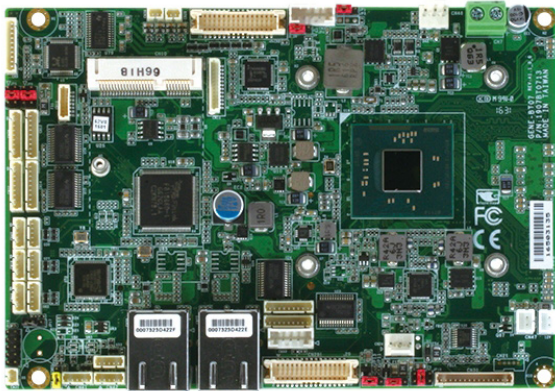


Embedded Single Board for OEM/ODM

ONYX GENE-BT07

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)
- RS-232 x 2, RS-232/422/485 x 2
- Mini-Card Slot x 2 (Full-size x 1, Half-size x 1)
- 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
Memory Capacity	Up to 8 GB
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" (146 mm x 101.7 mm)
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
MFTB (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	—
SIM	—
TPM	—
Touch	Reserve USB2.0 x 1