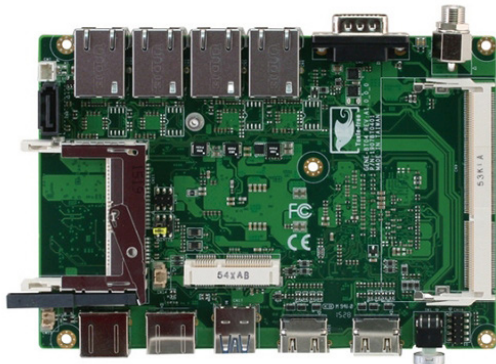


Embedded Single Board for OEM/ODM

ONYX GENE-BT04

3.5" SubCompact Board with Intel® Celeron® J1900/N2807 Processor SoC



Features

- Intel® Celeron® J1900/ N2807 Processor SoC
- DDR3L 1333 SODIMM slot x1, Max. up to 8GB
- Intel® LAN i211AT x4 Gigabit Ethernet, RJ-45 x 4
- HDMI x 2: HDMI 1 (w/ Audio), HDMI 2 (w/o Audio)
- USB 2.0 x 2, USB 3.2 Gen 1 x 1, COM x 1
- Mini-Card x 1 (Full-Size)
- SATA 2.0 x 1
- DC 12V ATX Mode
- 12 ~ 24V DC Input, ATX Mode



Specifications

System

Form Factor	3.5" SubCompact Board
CPU	Intel® Celeron® J1900/ N2807 Processor SoC
CPU Frequency	Up to 2.0 GHz
Chipset	Intel® Celeron® J1900/ N2807 Processor SoC
Memory Type	DDR3L 1333, SODIMM x 1
Memory Capacity	Up to 8 GB
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V ~ +24V
Power Supply Type	ATX Mode
Power Consumption (Typical)	Intel® N2807, DDR3L 1600MHz 4G, 0.65A@ +12V
Dimension (L x W)	5.75" x 4" (146 mm x 101.6 mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MFTB (Hours)	155,000
Certification	CE / FCC

Display

VGA / LCD Controller	Intel® Celeron® J1900/ N2807 Processor SoC
Video Output	HDMI x 2: HDMI 1(w/Audio), HDMI 2(w/o Audio)
Backlight Inverter Supply	—

I/O

Ethernet	Intel® I211AT(or 210), 10/100/1000Base-TX, RJ-45 x 4
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 2, USB 3.2 Gen 1 x 1
Serial Port	RS-232 x 1
Parallel Port	—
HDD Interface	SATA 2.0 x 1
FDD Interface	—
SSD	CFast™ x 1
Expansion Slot	Mini-Card x 1 (for USB only)
DIO	4-Bit
SIM	x 1
TPM	x 1
Touch	—