



EN-N2807DL

BAY TRAIL 3.5 INCH SBC



Intel® Bay Trail
Celeron N2807 processor



1 x HDMI (2560 x 1600 @60 Hz)
1 x VGA (2048 x 1536 @60 Hz)
1 x LVDS (1920 x 1200 @60 Hz)



Support Wi-Fi/BT module
Support 3G/4G module



3.5 inch form-factor
146 mm x 104 mm (5.74" x 4.09")

CPU

CPU	Intel® Celeron® N2807 processor
Frequency	2.16 GHz
Chipset	SoC
Processing Units	2 Cores
TDP	4.3 W

System

GPU	Intel® HD Graphics
Graphic Engine	DirectX 11, OpenGL 4.0, OpenCL 1.2
System Memory	Up to 4 GB, 1 x SO-DIMM DDR3L-1333 MHz
Storage	1 x Full-size Mini-PCIe for MSATA 1 x 2.5" SATAIII
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions	146 mm x 104 mm (5.74" x 4.09")
Fanless	Yes
Operation System	Windows 7 (64bit) /Windows 8 (64bit) Windows 10 (64bit) / Linux Ubuntu (64bit)
Operating Temperature	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
Humidity	95% @ 60°C (non-condensing)

Network

Network Controller	2 x Intel i211 Gigabit Ethernet
Wi-Fi/BT	1 x Full-size Mini-PCIe for Wi-Fi/BT
Mobile Network	3G/4G colay with 1 x Mini-PCIe for Wi-Fi/BT 1 x SIM Slot

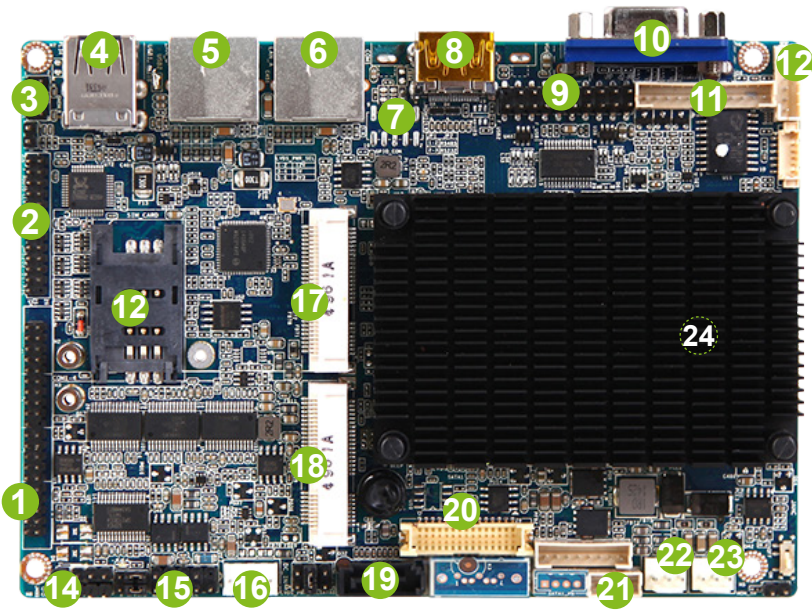
Rear I/O

USB	1 x USB3.2 Gen1, 1 x USB2.0
Display Interface	1 x HDMI (Max.2560 x 1600 @60 Hz) 1 x VGA (Max.2048 x 1536 @60 Hz)
Ethernet Interface	1 x RJ45

Internal I/O

USB	4 x USB2.0, signal by 2 x 9pin USB header
Display	1 x 12pin VGA_OUT 1 x 30pin dual channel 24bit LVDS (Max. 1920 x 1200@60 Hz)
Serial port	4 x RS232, signal by 4 x 10pin COM header 2 x RS232/RS485, signal by 2 x 3pin COM header
Power	1 x 4pin DC-IN header
Audio	1 x 10pin F_Audio,
Others	1 x 36pin LPT 1 x 10pin GPIO 1 x 9pin F_PANEL 1 x 2pin CLR_CMOS 1 x 6pin INVERTER 1 x 8pin+4pin SATA_PWR 1 x 3pin SYS_FAN 1 x 3pin CPU_FAN

Dimensions and Drawing



No.	Dimensions	No.	Dimensions
1	4*COM	20	LVDS
2	LPT	21	SATA_PWR
3	F_AUDIO	22	SYS_FAN
4	2*USB	23	CPU_FAN
5	RJ45		SO-DIMM
6	RJ45		
7	GPIO		
8	HDMI		
9	2*USB HEADER		
10	VGA		
11	VGA_OUT		
12	F_PS/2		
13	SIM SLOT		
14	2*COM		
15	F_PANEL		
16	DC_IN		
17	MINI-PCIE		
18	MSATA		
19	SATAIII		

Order information

EN-N2807DL V2 CPU: Intel Celeron N2807 processor

Optional

Wi-Fi/BT Module AzureWave® AW-CB161H

Operation System Windows 10 (64bit)