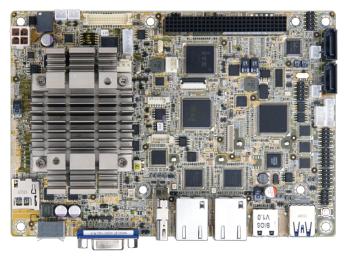


Embedded Computer > Single Board Computer > Embedded Board

NANO-BT

EPIC SBC supports 22nm Intel® Atom™/Celeron® on-board SoC



Features

- » EPIC SBC supports 22nm Intel® Atom $^{\mbox{\scriptsize M}}$ or Celeron® onboard SoC
- » Supports dual independent display with LVDS, VGA and HDMI $\,$
- » 1.35V DDR3L 1333/1066 MHz SDRAM support up to 8 GB $\,$
- » Support IPMI 2.0 with iRIS-1010 module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

System		
СРИ	Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)	
	Intel® Celeron® N2930 on-board SoC (1.83GHz, quad-core, 2MB cache, TDP=7.5W)	
	Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W)	
Memory	One 204-pin 1333/1066 MHz single-channel unbuffered DDR3L SDRAM SO-DIMM	
Memory Max.	8 GB (J1900, N2930, E3827, E3826, E3815) or 4 GB (N2807)	
Physical Characteristics		
Dimensions (LxWxH) (mm)	115 X 165	
Net Weight	350g	
Storage		
Storage	2 x SATA :3Gb/s with 5V SATA power connector(no RAID)	
I/O Interface		
Display Output	1 x VGA :up to 2560x1600@60Hz	
	1 x HDMI :up to 1920x1080@60Hz	
	1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)	
Ethernet	2 x LAN :LAN1: Intel® I210-AT PCIe controller with NCSI support	
	LAN2: Intel® I211-AT PCIe controller	
Audio	Description: Realtek ALC662 HD Audio codec	
	1 x Front Audio :2x5 pin	
I/O Interface	3 x Internal RS-232 :2x5 pin, p=2.0	
	1 x Internal RS-422/485 :1 x4 pin, p=2.0	
	1 x External USB 2.0	
	1 x External USB 3.2 Gen1x1	
	3 x Internal USB 2.0 :2x4 pin, p=2.0	
	1 x PS/2	
Expansion	1 x PCIe mini Card Slot :Full-size PCIe Mini card slot (support mSATA co-lay SATA port 2)	
	1 x PCI-104 :PCI signal	
Other Features		
iris	1 X iRIS-1010 slot	
Power		
Power Consumption	12V@1.52A (Intel® Atom™ processor J1900 with one 8 GB 1333 MHz DDR3 memory)	
Power Supply	12V only DC input	
	1 x Internal power connector (2x2 pin)	
	Support AT/ATX mode	



Environment		
Storage Temperature	-20°C ~ 60°C	
Operating Temperature	-20°C ~ 60°C, -40°C ~ 85°C (NANO-BT-E38XX1W2)	
Humidity	5% ~ 95%, non-condensing	
Certifications		
Safety & EMC	CE/FCC compliant	

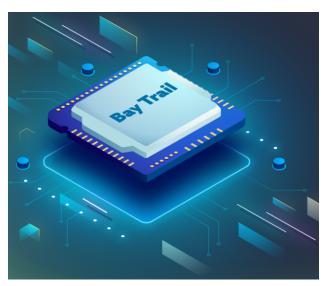
Ordering Information

NANO-BT-i1-N29301-R11	EPIC SBC supports Intel 22nm Quad-Core Celeron N2930 1.83GHz (7.5W) on-board SoC with VGA/HDMI/LVDS, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA, mSATA, COM, iRIS-1010, audio and RoHS
NANO-BT-i1-N28071-R11	EPIC SBC supports Intel 22nm Dual-Core Celeron N2807 1.58GHz (4.5W) on-board SoC with VGA/HDMI/LVDS, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA, mSATA , COM, iRIS-1010, audio and RoHS
NANO-BT-i1-J19001-R11	EPIC SBC supports Intel 22nm Quad-Core Celeron J1900 2.0GHz (10W) on-board SoC with VGA/HDMI/LVDS, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA, mSATA, COM, iRIS-1010, audio and RoHS

Packing List

1 x NANO-BT single board computer with heatsink	1 x Power cable
2 x RS-232 cable	1 x QIG (Quick Installation Guide)
2 x SATA with power cable kit	

IEI Bay Trail Embedded Board

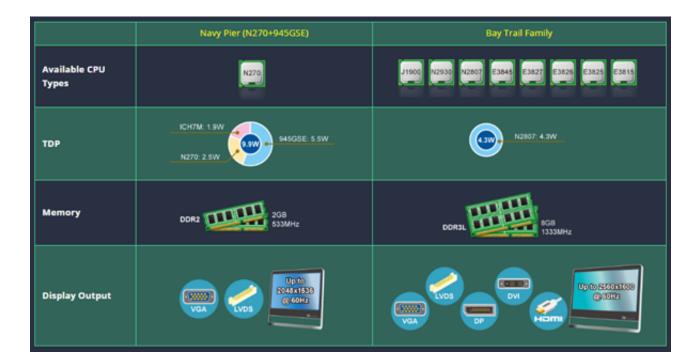


*Bay Trail embedded board series is powered by Intel® Bay Trail quad-core SoC which is three times faster than the single-core Intel® Atom™ N270 CPU. It upgrades the specifications to USB 3.0 and DDR3L to provide f aster data transmission and reduce power consumption which can greatly enhance work efficiency. This series also supports an extended operating temperature ranged from -40°C to +85°C for industrial applications in tough and rugged environments.

*Windows 7 (Pro/WES7/WEC7), Windows 8.1 (Pro/WE8), Windows 10 and Android operating systems are all supported by the low power consumption, fanless Bay Trail embedded board series to offer multiple option s for users. IEI Bay Trail industrial board series combines high resolution, great efficiency and low power consumption. Improving the overall function of the system allows users to replace Navy Pier series seamlessly and satisfie s their various requirements.

Specification Comparison Between N270+945GSE & Bay Trail

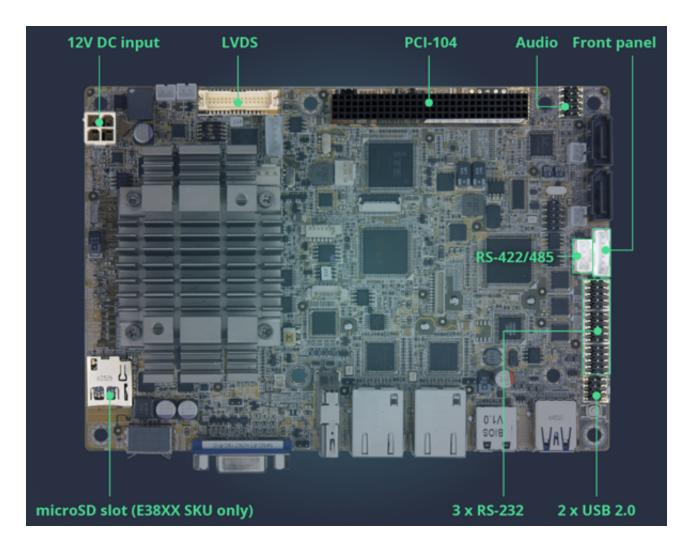






Product Overview







Suitable for Semi-outdoor Environment, Wide Temperature -20°C~60°C



