



SENX-BYT

Intel® Celeron® Processor J1900 (2M Cache, Up to 2.42 GHz) Nano ITX Motherboard

- > Intel® Celeron® Processor J1900 (2M Cache, up to 2.42 GHz)
- > 1 x 204-Pin DDR3L 1333 MHz SO-DIMM Supports up to 8 GB
- > Onboard eMMC (32GB)
- > VGA, HDMI, Dual-channel 18/24-bit LVDS
- > 1 x Realtek RTL8111G PCIe Gigabit Ethernet
- > Realtek ALC662 2 HD Audio Codec
- > Realtek ALC105 3W Stereo Class-D Audio amplifier
- > 1 x Line-out, 1 x Mic-in
- > 1 x SATA II, 1 x SATA Power
- > 2 x USB 2.0, 1 x USB 3.0
- > 1 x RS-232 (Pin9 Without Power)
- > 1 x SD card slot, 1 x 4-bit GPIO, 1 x SIM card slot

+ Spec

System	
Processor	Intel® Celeron® Processor J1900 (2M Cache, up to 2.42 GHz)
System Memory	1 x 204-Pin DDR3L 1333 MHz SO-DIMM supports up to 8 GB
I/O Chip	iTE 8772E
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Expansion	
Expansion	1 x Half size Mini PCIe supports mSATA 1 x Full size Mini PCIe 1 x SIM Card Slot
Storage	
Storage	Onboard eMMC (32GB)
I/O	
USB	2 x USB 2.0 1 x USB 3.0
SATA	1 x SATA II
COM Port	1 x RS-232
Other	1 x Power on/off with Power LED button 1 x Power button 1 x SMA connector
DIO	1 x 4-bit GPIO
Display	
Chipset	Intel® Atom™/ Celeron® SoC integrated Graphics HDMI + VGA, HDMI + LVDS, VGA + LVDS
Resolution	VGA: 2560 x 1600 @ 60Hz HDMI: 1920 x 1080 @ 60Hz LVDS: 1920 x 1200 @ 60Hz
Audio	
Chipset	Realtek ALC662 supports 2-CH
Audio Interface	Mic-in and Line-out
Audio Amplifier	2 x Realtek ALC105 3W Stereo Class-D Audio amplifier
Ethernet	
Chipset	1 x RTL8111G
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V
Power Type	ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	4.72" x 4.72" (120mm x 120mm)
Weight	0.88lbs (0.4kg)

+ Ordering

SENX-BYT190-A1R
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