

# N1W3-BT1

## Fanless Embedded Computer



### Features

- Compact size and Fanless
- Intel Bay Trail Celeron J1900 quad core
- 2 x GbE, 4 x COM, 5 x USB
- VGA, HDMI
- Storage support: mSATA, and 2.5" SATA
- VESA 100 mounting

### Specifications

#### Main System

CPU	Intel Bay Trail J1900 quad-core, 2.0GHz ~ 2.42GHz (Optional: Bay Trail Atom E3845, 1.91GHz)	
Memory	SODIMM DDR3L socket, up to 8GB	
Storage	mSATA, 1 x 2.5" SATA (optional)	
Expansion slots	1 x Full size mini-PCIE card 1 x SIM card wafer	
IO ports	Network	1 x Intel I210-AT Gb Ethernet 1 x Realtek RTL8111G Gb Ethernet
	USB	1 x USB 3.0 + 4 x USB 2.0
	Serial ports	2 x RS232
		2 x RS232/RS422/RS485
	Display	1 x VGA, 1 x HDMI
	WatchDog Timer	0 ~ 255 seconds

#### Mechanical

Dimensions	180(W) x 130(D) x 53(H) mm
Weight	1.0 Kg
Mounting	VESA 100

#### Power

DC input	+12V
AC input	External Adapter 100~240V AC-DC 30W (included as standard)

#### Environment

Operating Temp.	0 ~ + 65 C (with mSATA Wide Temp.)
	0 ~ + 50 C (with Normal 2.5" HDD)
Storage Temp.	-20 ~ + 70 C
Relative Humidity	10 ~ 90% RH @ 40°C, non-condensing

#### OEM option (customize configurations)

4 DI + 4 DO  
 Modify IO ports: USB / COM  
 Wireless 802.11n / 3G modem / GPS / Bluetooth  
 Wide DC input +9V ~ +36V  
 SDI video input  
 PoE Gb Ethernet 802.3af  
 Extended Temperature: -20 C ~ +70 C

#### Optional accessories

SATA kit for 2.5" HDD/SSD  
 VESA mounting kit

