

# Nuvo-2500 Series

Available in Q2 2015

## Intel® Celeron® Bay Trail Fanless Computer with Expansion Cassette



### Features

- Intel® Celeron® Bay Trail J1900 quad-core processor
- 1x PCI/PCIe expansion with compact size
- Dual storage with 1x mSATA and 1x SATA
- Dual independent display via VGA and DVI connectors
- Optional Auxiliary I/O for PWM and Encoder signals
- 2x RS-232/422/485 and 2x RS-232
- 8 to 35VDC wide-range DC input
- Operating temperature from -25° to 70°C

### Specifications

System Core		Expansion Bus	
Processor	Intel® Celeron® Bay Trail J1900 quad-core processor (2.42 GHz, 2M cache)	Mini PCI-E	1x full-sized mini PCI Express socket with USIM socket (PCIe + USB)
Graphics	Integrated Intel® HD Graphics	PCIe	1x PCIe x4 slot @ 1-lane PCIe 2.0 signal in Cassette*(Nuvo-2500E)
Memory	1x 204-pin SO-DIMM socket, up to 8GB DDR3L 1333MHz SDRAM	PCI	1x PCI slot in Cassette (Nuvo-2500P)
Front Panel I/O Interface		Power Supply	
Ethernet	2x Gigabit Ethernet ports by Intel I210	DC Input	8~35V DC
Video Port	1x DB-15 connector for analog RGB, supporting 2560 x 1600 resolution	Mechanical	
Serial Port	2x software-programmable RS-232/422/485 (COM1 & COM2)	Dimension	205 mm (W) x 146 mm (D) x 76 mm (H)
USB	1x USB 3.0 port and 3x USB 2.0 ports	Weight	2.3 kg (including one 2.5" HDD and DDR3 SO-DIMM)
Power Input	1x 3-pin pluggable terminal block for DC input	Mounting	Wall-mounting (standard) or DIN-Rail mounting (optional)
Back Panel I/O Interface		Environmental	
Video Port	1x DVI-I connector with DVI-D output, supporting 2560 x 1600 resolution	Operating Temperature	-25°C ~ 70°C with SSD, 100% CPU loading **/**** -10°C ~ 50°C with HDD, 100% CPU loading **/****
Audio	1x Mic-in, 1x Speaker-out	Storage Temperature	-40°C ~ 85°C
Series Port	2x RS-232 (COM3 & COM4)	Humidity	10%~90% , non-condensing
Aux I/O Port	1x DB-37 female connector 4x DI and 8x DO, 6x PWM, 1x encoder and 2x ADC are available as an option	Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes(w/ SSD, according to IEC60068-2-64)
Storage Interface		Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
SATA HDD	1x Internal SATA port for 2.5" HDD/SSD installation	Certification	CE/FCC Class A, according to EN 55022 & EN 55024
mSATA	1x internal half-sized mSATA (SATA + USB)		

\*\* The 100% CPU loading is applied using Passmark® BurnInTest™ v7.0. For detail testing criteria, please contact Neousys Technology  
\*\*\* For sub-zero operating temperature, a wide temperature HDD drive or Solid State Disk (SSD) is required.

### Order Information

#### Nuvo-2500P

Intel® Celeron® Bay Trail J1900 Fanless Computer with 1x PCI slot in Neousys Patented Cassette

#### Nuvo-2500E

Intel® Celeron® Bay Trail J1900 Fanless Computer with 1x PCIe x4 slot (PCIe x1 signal) in Neousys Patented Cassette

#### Nuvo-2500E-PoE4+

Intel® Celeron® Bay Trail J1900 Fanless Computer with pre-installed Neousys 4-port PoE+ card (PCIe-PoE4+) and heat spreader

#### Nuvo-2500E-USB340

Intel® Celeron® Bay Trail J1900 Fanless Computer with pre-installed Neousys 4-port USB3.0 card (PCIe-USB340) and heat spreader

#### 60W AC/DC power adapter with 12V, 5A DC output

#### Option of DIN-rail mounting kit

#### Option of MCU-controlled Auxiliary I/O (Available in Q3)