



## Main Features

- Onboard Intel® Pentium® processor N3710 Quad Core, 1.6GHz
- 3 x display output: 1 x HDMI display + 1 x DVI-D + 1 x DP port
- 2 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE
- 4 x USB 3.0
- 2 x DB9 for RS232/422/485, 2 x DB9 for RS232
- 1 x optional interface for optional Wi-Fi/3.5G/LTE modules
- Support -5°C~55°C extended operating temperature
- Support 9~30V DC input

## Product Overview

Powered by the latest generation of Intel® Pentium processor N3710 Quad Core, 1.6GHz (formerly codenamed "Braswell"), NISE 106 presents intelligent PC-based controller and IOT gateway for factory automation. Up to 4G DDR3L memory, The NISE 106 support operating temperature from -5 up to 55 degree C with typical DC input 9~30V. The NISE 106 has high integration ability with optional Mini-PCIe module and 4 x COM ports which makes it a reliable connection with devices in factory automation applications, IOT applications (with optional GbE LAN, Wi-Fi, 3.5G/4G LTE module) and communication applications (with optional GPIO, RS232/422/485). NISE 106 is definitely the top choice for M2M intelligent system as a factory automation controller and gateway.

## Specifications

### CPU Support

- Onboard Intel® Pentium® Quad Core Processor N3710, 2M Cache, 1.6GHz

### Main Memory

- 1 x DDR3L SO-DIMM socket, support DDR3L 1600/1333 4GB RAM max., un-buffered and non-ECC

### Display Option

- 1 x HDMI + 1 x DVI-D + 1 x DP display port

### I/O Interface-Front

- ATX power on/off switch
- 1 x Power status/1 x HDD access/1 x battery low/1 x programing/ 4 x Tx/Rx LEDs
- 2 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE
- 1 x HDMI + 1 x DVI-D display output
- 4 x USB 3.0 (900mA per each)
- 1 x 3-pin DC input, support +9 to 30VDC input

### I/O Interface - Rear

- 1 x Display Port

- 1 x SIM Card holder
- 1 x external CFast socket
- 2 x DB9 for RS232/422/485 with auto flow control (COM1 and COM2)
- 2 x DB9 for RS232 (COM3 and COM4)
- 2 x Antenna holes for optional Wi-Fi/3.5G antenna
- 1 x remote power on/off switch
- 1 x optional I/F for optional Mini-PCIe Wi-Fi/3.5G/LTE/NEXCOM's automation module output

### I/O Interface - Internal

- 4 x GPI and 4 x GPO (5V, TTL type)

### Storage Device

- 1 x 2.5" HDD (SATA3.0)

### Expansion Slot

- 1 x Mini-PCIe socket for optional Wi-Fi/4G LTE/3.5G modules

### Power Requirement

- Power input: +9 to 30 Vdc
- 1 x optional 24V, 60W power adapter

### Dimensions

- 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket

