

# NES-106-N3710

## Industrial Fanless Systems Series

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# NES-106-N3710

## PRODUCT HIGHLIGHTS

- ▶ On board 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 USB3.0
- ▶ 2 x DB9 for RS232/422/485, 2 x DB9 for RS232
- ▶ 1 x interface for optional Wi-Fi/3.5G/LTE modules
- ▶ Supports -5 ~ 55 degree C extended operating temperature
- ▶ Supports 9-30VDC input



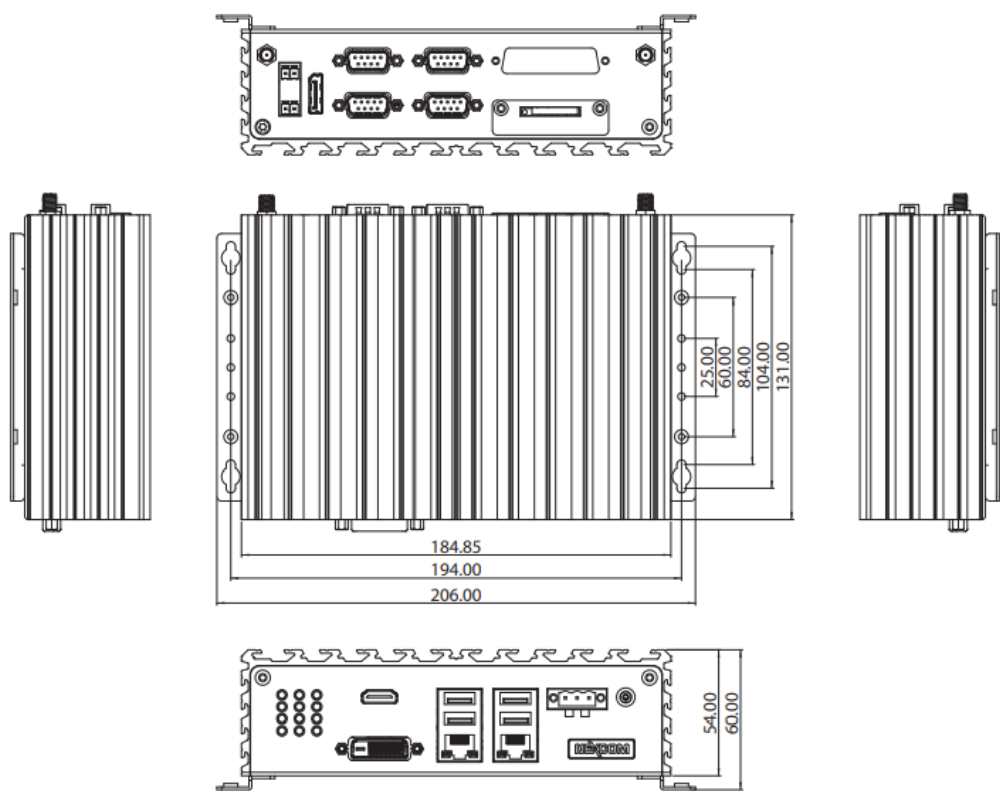
## TECHNICAL INFORMATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>PROCESSOR</b>                | On board Intel® Pentium® Quad Core Processor N3710, 2M Cache, 1.6GHz                                                                                                                                                                                                                                                                                             |
| <b>SYSTEM MEMORY</b>            | 1 x DDR3L SO-DIMM socket, support DDR3L 1600 8GB RAM max., un-buffered and non-ECC                                                                                                                                                                                                                                                                               |
| <b>DISPLAY</b>                  | 1 x HDMI + 1 x DVI-D + 1 x DP display port                                                                                                                                                                                                                                                                                                                       |
| <b>I/O INTERFACE-FRONT</b>      | ATX power on/off switch<br>1 x Power status/1 x HDD access/1 x battery low/1 x programming/<br>4 x Tx/Rx LEDs<br>2 x Intel® I210AT GbE LAN ports; Support WoL, Teaming and PXE<br>1 x HDMI + 1x DVI-D display output<br>4 x USB 3.0 (900mA per each)<br>1 x 3-pin DC input, support +9 to 30VDC input                                                            |
| <b>I/O INTERFACE - REAR</b>     | 1 x Display Port<br>1 x SIM Card holder<br>1 x external CFast socket<br>2 x DB9 for RS232/422/485 with auto flow control (COM1 and COM2)<br>2 x DB9 for RS232 (COM3 and COM4)<br>2 x Antenna holes for optional Wi-Fi/3.5G antenna<br>1 x remote power on/off switch<br>1 x optional I/F for optional Mini-PCIe Wi-Fi/3.5G/LTE/NEXCOM's automation module output |
| <b>I/O INTERFACE - INTERNAL</b> | 4 x GPI and 4 GPO (5V, TTL Type)                                                                                                                                                                                                                                                                                                                                 |
| <b>STORAGE DEVICE</b>           | 1 x 2.5" HDD (SATA3.0)                                                                                                                                                                                                                                                                                                                                           |
| <b>EXPANSION SLOT</b>           | 1 x Mini-PCIe socket for optional Wi-Fi/4G LTE/3.5G modules                                                                                                                                                                                                                                                                                                      |
| <b>POWER REQUIREMENTS</b>       | Power input: +9 to 30 VDC<br>1 x optional 24V, 60W power adapter                                                                                                                                                                                                                                                                                                 |
| <b>SUPPORTED OS</b>             | Windows 7, 64-bit only<br>Windows 8.1 , 64-bit only<br>Windows Embedded Standard 7, 64-bit only<br>Windows 10 IoT Enterprise, 64-bit only<br>Linux Kernel version 4.4                                                                                                                                                                                            |
| <b>DIMENSIONS</b>               | 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket                                                                                                                                                                                                                                                                                                      |
| <b>MECHANICAL CONSTRUCTION</b>  | Aluminium and Metal Chassis with fanless design                                                                                                                                                                                                                                                                                                                  |

► TECHNICAL INFORMATION (CONTINUED)

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| ENVIRONMENT    | Operating Temperature:<br>Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)<br>Storage temperature: -30°C to 85°C<br>Relative Humidity: 10% to 95% (non-condensing)<br>Shock protection:<br>- HDD: 20G, half sine, 11ms, IEC60068-2-27<br>- CFast: 50G, half sine, 11ms, IEC60068-2-27<br>Vibration protection w/HDD condition:<br>- Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64<br>- Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-6<br>Vibration protection w/CFast & SSD condition:<br>- Random: 2Grms @ 5~500 Hz, IEC60068-2-64<br>- Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6 |
| CERTIFICATIONS | CE<br>FCC Class A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OPTIONS        | 24V, 60W AC/DC power adapter w/o power cord                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

► MECHANICAL DRAWING



► Company Address

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