

# NP-6132-JH4

- Desktop High Performance CPU
- 2 x RS232/485, 8 x RS485, 8 x DI, 4 x Relay DO

## ■ Features

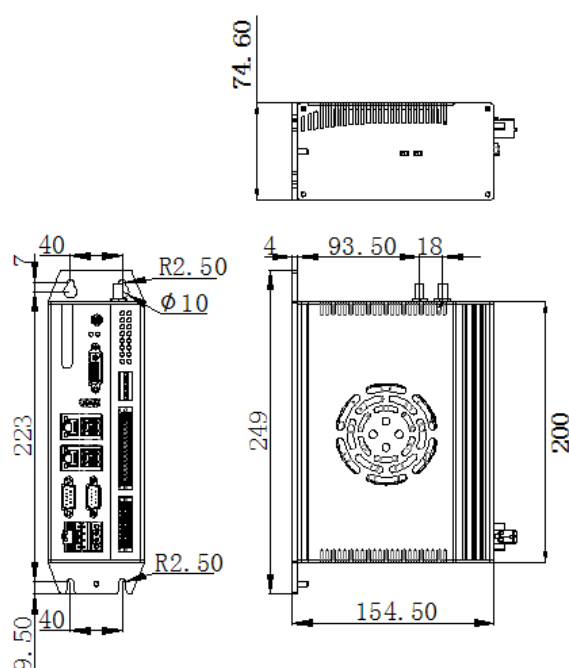
- Support Intel® Core™ 10th/11th generation i9/i7/i5/i3 high performance processors, Max. TDP 65W
- 2 x Intel GbE LAN controller
- 4 x USB3.0, USB2.0 Type A on board for dongle
- 2 x RS232/RS485, 8 x RS485, RS485 support auto flow control
- 8 x isolated DI, 4 x Relay DO(NO)
- Support both DVI-D and HDMI display port
- 1 x miniPCIE expansion slot, Support Wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60°C supported



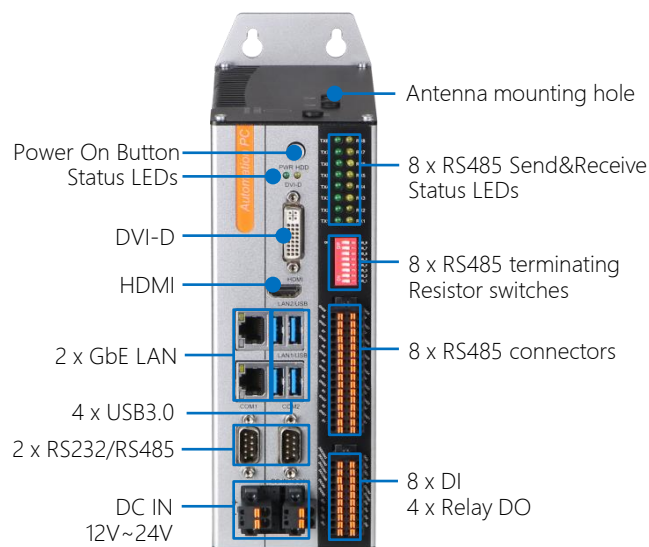
## ■ Specifications

| Model Name  |                     | NP-6132-JH4                                                                                                                                                                                    |
|-------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System      | CPU                 | Intel® Core™ 10th/11th gen i9/i7/i5/i3 LGA1200 type CPU                                                                                                                                        |
|             | TDP                 | Max. 65W                                                                                                                                                                                       |
|             | BIOS                | AMI UEFI 64Mbit                                                                                                                                                                                |
|             | Memory              | 2 x SO-DIMM DDR4, max up to 32GB                                                                                                                                                               |
|             | Storage             | 1 x mSATA bay                                                                                                                                                                                  |
|             |                     | 1 x M.2(B Key, Type 2280) bay support SATA                                                                                                                                                     |
|             | USB                 | 4 x USB3.0, 1 x USB2.0 Type A on the board for USB dongle                                                                                                                                      |
|             | COM                 | 2 x COM(DB-9), selectable to support RS232 or RS485 mode by the switch, 8 x RS485(Phoenix Contactors), RS485 support auto flow control, (ESD protection for RS232: Air gap ±8KV, Contact ±6KV) |
|             | DI                  | 8 x DI NPN/PNP, isolated 2500 Vrms                                                                                                                                                             |
|             | DO                  | 4 x Relay DO, Normally Open, 30VDC(I <sub>max</sub> : 1.0A)/60VDC(I <sub>max</sub> : 0.3A)/125VAC(I <sub>max</sub> : 0.5A)                                                                     |
|             | Ethernet            | 2 x Intel GbE LAN controller                                                                                                                                                                   |
|             | DVI-D               | Support up to 1920 x 1080 @60Hz                                                                                                                                                                |
|             | HDMI                | Support up to 3840 x 2160 @60Hz                                                                                                                                                                |
|             | Expansions          | 1 x Full-size PCIe Mini slot with SIM card holder(with USB signal)                                                                                                                             |
|             | Watch Dog           | 1~255 levels programmable                                                                                                                                                                      |
| OS Support  | Microsoft Windows   | Windows 10                                                                                                                                                                                     |
|             | Linux               | Ubuntu, CentOS, Debian                                                                                                                                                                         |
| Power       | Voltage Input       | DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection                                                                                                                        |
|             | Power Consumption   | Max. 120W                                                                                                                                                                                      |
| Chassis     | Structure           | Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style.                                                                                       |
|             | Dimensions          | (L)200mm x (W)154.5mm x (H)74.6mm                                                                                                                                                              |
|             | Net Weight          | 2.3Kg                                                                                                                                                                                          |
| Environment | Work Temperature    | -20°C ~ 60°C (-4°F~140°F) with air flow (SSD)                                                                                                                                                  |
|             | Storage Temperature | -40°C ~ 80°C (-40°F ~ 176°F) with air flow (SSD)                                                                                                                                               |
|             | Relative Humidity   | 5~95% (Non-condensing)                                                                                                                                                                         |
|             | Operating Vibration | 5~500Hz, 1.5Grms@with SSD, Follow IEC60068-2-64                                                                                                                                                |
|             | Operating Shock     | 20G peak acceleration(11ms duration) with SSD, Follow IEC60068-2-27                                                                                                                            |
|             | EMC                 | CE/FCC Class A                                                                                                                                                                                 |

## ■ Dimensions (Unit: mm)



## ■ Interfaces



## ■ Ordering Information

| Part No.   | Product     | Description                                                                                                                                                                   |
|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6070200248 | NP-6132-JH4 | CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2 x RS232/485(Selectable), 8 x RS485, 2 x LAN, 4 x USB3.0, DVI-D/HDMI display port, 8 x DI, 4 x Relay DO, DC12~24V Power input |

## ■ Options

| Parts        | Description                                          |                                                                                |
|--------------|------------------------------------------------------|--------------------------------------------------------------------------------|
| CPU          | Intel® Core™ Comet lake                              | i3-10100T, i3-10100, i3-10105T, i3-10105, i5-10400T, i5-10400, i5-10500 ... .. |
|              | Intel® Core™ Rocket lake                             | i5-11400T, i5-11500T, i5-11600T, i5-11400, i5-11500, i5-11600 ... ..           |
| DDR4 Memory  | 4GB, 8GB, 16GB                                       |                                                                                |
| mSATA SSD    | 64GB, 128GB, 256GB, 512GB, 1TB                       |                                                                                |
| M.2 SATA SSD | 128GB, 256GB, 512GB, 1TB, 2TB                        |                                                                                |
| Wifi Set     | miniPCIE WIFI Set (7260 series) ,Cylindrical antenna |                                                                                |
| 3G/4G Module | mini PCIE, EC20, EG25, EC25                          |                                                                                |
| Mount Option | DIN-Rail                                             |                                                                                |

Note: If some optional parts are offered with the system, additional system certificates may be required in certain regions/countries. Please contact NODKA for certificate compliance.