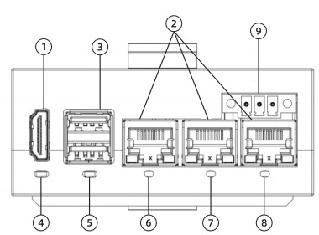
**SP6000 Series Industrial Intelligent Computer**

1. Overview

The SP6000 series industrial intelligent computer is a new generation of integrated computing and industrial intelligent computers independently developed by SINSEGYE based on its rich experience in industrial control and computers.

The SP6000 series industrial intelligent computer features fanless and low-power design, equipped with the latest Intel Atom processor. It can support up to 3 channels of 100M/1000M RJ45 interfaces, 1 HDMI video interface, 2 USB interfaces, and a 3Pin Phoenix terminal 12.4-36V power input.

1. External Interfaces



|  |  |
| --- | --- |
| Marking No. | Description |
| 1 | HDMI display interface |
| 2 | LAN network port, support 100M/1000M RJ45 interface |
| 3 | USB interface |
| 4 | AT-ATX (Left AT: incoming call auto-start; Right ATX: Non-incoming call auto-start) |
| 5 | JCC (Right Clear MOS; Left not clear MOS) |
| 6 | PWR: Power indicator |
| 7 | RUN: Run indicator |
| 8 | HDD: Hard disk indicator |
| 9 | DC power supply |

1. Definition of indicator

|  |  |  |  |
| --- | --- | --- | --- |
| Indicator Type | Color | Status | Implication |
| Power PWR | Green | On | The power supply is normal. |
| Off | The power supply is abnormal or there is no corresponding power loading. |
| Running indicator | Green | On | The main controller is in the RUN state and the user program is running |
| HDD indicator | Red | Flash | Be accessing HDD or the disk is reading or writing |
| Off | Inaccessible or no access to HDD hard drive |

1. Technical specification

|  |  |  |  |
| --- | --- | --- | --- |
| CPU architecture | Structure | Intel Atom® chip | |
| Memory |  | 4G | |
| Graphics |  | Integrated graphics | |
| Hard disk |  | M.22242 SATA Protocol | |
| Communication protocol |  | EtherCAT | |
| Real-Time Clock (Hold Time) |  | Have | |
| Module power supply |  | Operating voltage | 20.4VDC~28.8VDC(21.0VDC-15%~+20%) |
|  | Rated voltage | 24.0VDC |
|  | Withstand voltage | 12.4VDC~36 VDC |
|  | Power consumption | Less than 30W |
| Hot plug |  | Not supported | |
| Fault isolation |  | None | |

1. Installation

* The installation environment must meet the following conditions:

Ambient temperature range: 0~40°C

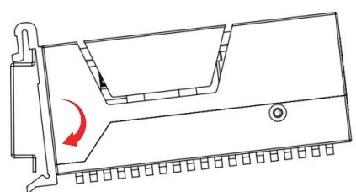
Relative humidity range: 5~95% no condensation

Avoid direct sunlight, away from heat sources or areas with strong electromagnetic interference

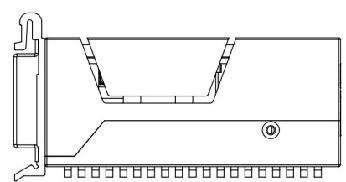
The installation environment should meet the requirements of the authority, and the equipment should not be directly touched by hand to avoid personal injury

* Dimensions (W\*H\*D): 88\*85\*40mm
* Rail installation: Please install guide rail positioning clips on both sides of the controller to prevent sliding.

1. As shown in the following figure, rotate the computer into the guide rail.



1. The effect is shown in the following figure.



1. Wiring

24V independent power supply

