

Product introduction

HS001 industrial-grade all-in-one system is an integrated system developed based on advanced IoT technology. It uses an open system software platform to organically combine various sensors developed by Johar, and can provide professional wireless temperature monitoring data acquisition and management solutions according to different project requirements.



Key features

■ Informatization and integration

Wireless temperature control monitoring is realized on the basis of open real-time relational database. BS architecture is adopted. The system includes sensor communication driver layer, data application layer and monitoring visualization layer. It complies with HTML5 web standard and adopts advanced web development technologies such as WebSocket.

■ Decentralized / centralized architecture

According to the design framework of decentralized collection and centralized data, the collectors can be distributed according to the system scale. The collectors will automatically register with the Internet of things host and transmit data, and the Internet of things host will provide efficient centralized management.

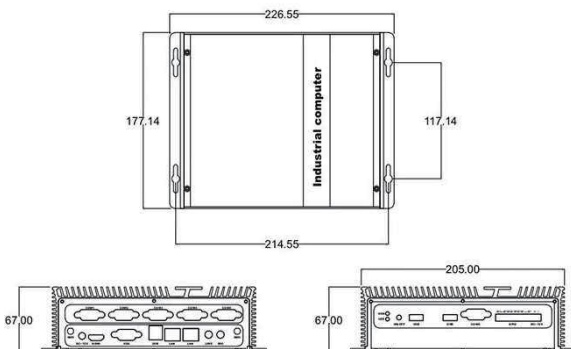
■ Maintainability

Adopt Linux operating system, which is stable and reliable to reduce a series of maintenance problems such as system environment compatibility, network virus infection, system file mis operation and so on.

Installation and size

Installation : Wall mounting/Embedded-installed/On the desktop

Size : mm



Key parameters

CPU	Intel Core i3-4200u
Chipset	Intel Chipset
Graphics card	Integrated HD graphics card
Memory	4G, single channel ddr3l-1600
Network card	2*100M/1000M/BAST-T Gigabit Ethernet
Hard disk	256G SSD
IO interface	6*USB, 6*COM(4*RS485+2*RS232)
Power	DC 12V 5A
Chassis	Pure copper and aluminum alloy structure, no fan design, no dust and no noise
Working temperature	-10°C~+60°C
Working humidity range	0%-95%
System	Debian 10
Power	7.3W(typical), 13.3W(max)
Size	225*175*67mm
Weight	2.3KG
Color	Flash silver

Port definition

- LAN1 :
Automatic (DHCP) (factory default setting, according to the actual network topology of the project)
- LAN2 :
192.168.0.123 (Factory default setting, system initial login configuration address, according to the actual network topology of the project)
- RS485 COM port definition:

No.	Name	Function
01	Data-/B/485-	Send+
02	Data+/A/485+	Receive+
03	GND (Signal Ground)	GND