

Product Overview

The PTSenR PTSSS001 Industrial Server PC The wireless temperature industrial server computer module IoT system is an integrated system developed by Power Technologies (PT) Private Limited based on advanced IoT technology. It uses an open system software platform to organically integrate various sensors developed by PT for many years project requirements, provide professional wireless temperature control monitoring solutions.

Has the following characteristics:

- Informatization and integration**

Realize wireless temperature control monitoring on the basis of open real-time-relational database, adopt pure BS architecture, the system includes sensor communication driver layer, data application layer to monitoring visualization layer, abide by HTML5 WEB standard, adopt advanced WEB development such as WebSocket technology.

- Decentralized / centralized architecture**

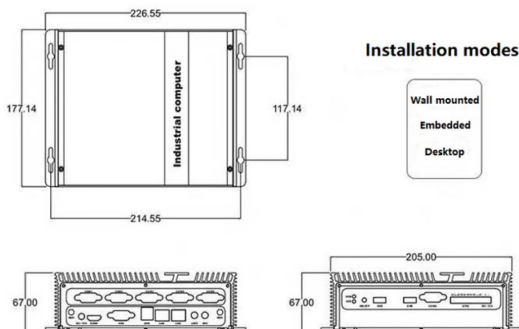
According to the design framework of decentralized collection and data concentration, the collectors can be distributed according to the scale of the system. The collectors will automatically register and transmit data to the IoT host, which will provide efficient centralized management.

- Maintainable**

A stable and reliable LINUX operating system is adopted to reduce a series of maintenance problems such as system environmental compatibility, network virus infection, and system file misoperation.

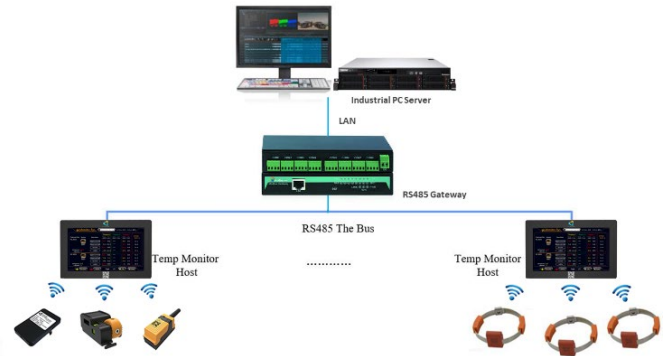
The system console is a console for system management of the wireless temperature-controlled Internet of Things host, used for IP network configuration, management of each application service, system update, port management of each application, and system restart / shutdown operations.

Dimensions



The System Architecture

Local / Standalone Platform monitoring



Local / Standalone Platform with remote monitoring



Specification

Operation Supply	12VDC / 5A
Processor	Intel Core i5 – 4200U
Operating System	LINUX Ubuntu -18.04
Chipset	INTEL Chipset
GPU	Integrated HD GPU
Memory	4G, Single Channel DDR3L-1600
Network Card	2*100M/1000M/BAST-T gigabit network card
Storage HDD Capacity	500GB
IO Interface	6*USB, 6*COM (4*RS485 + 2*RS232)
Case	Pure copper and aluminium alloy structure. No fan design, No Dust and Noise
Relative Humidity (RH)	≤95%RH (non-condensing)
Storage Temperature	-10°C ~ 85°C
Operating Temperature	-10°C ~ 60°C
Overall Power Consumption	7.3W(General), 13.3W(Maximum)
Antenna Frequency (Receiving)	433Mhz
Dimension	225 x 175 X 67 mm
Weight	2.3kgs
Colour	Silver Flash
Installation Method	Wall mounted / Embedded / Desktop
Certification	CE

Ordering Information

Part Number	Product Description
PTSSS001	PTSenR Industrial PC Server

