

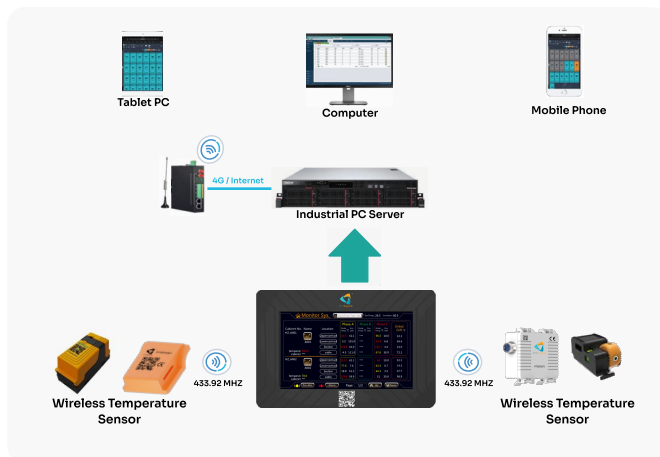
PTSSS001 Industrial PC Server

Product Overview

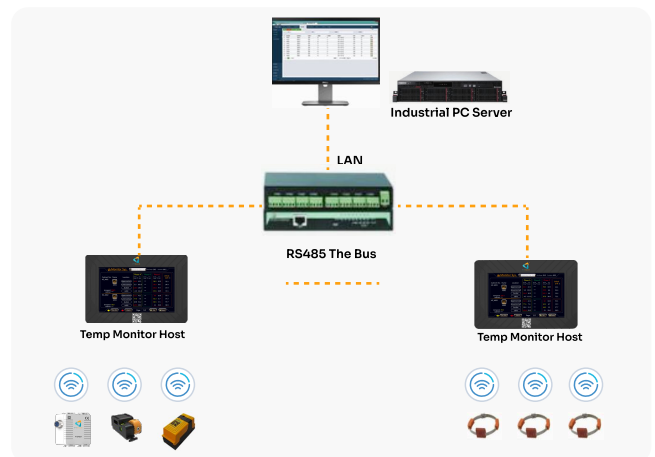
The PTSenR™ PTSSS001 Industrial Server PC is a cutting-edge wireless temperature control monitoring system developed by Power Technologies (PT) Private Limited. This IoT-integrated system leverages advanced IoT technology and an open software platform to seamlessly integrate various sensors, providing professional wireless temperature control monitoring solutions.

The system supports real-time data collection and monitoring through an open real-time-relational database and a pure BS architecture. Its design is compliant with HTML5 WEB standards and incorporates advanced technologies such as Web Socket for efficient web development. Industrial Server PC excels in information and integration, enabling wireless temperature control monitoring through an open real-time-relational database. The system adopts a pure browser/server architecture, encompassing sensor communication, data application, and monitoring visualization layers.

System Architecture



Local/ Standalone Platform with Remote Monitoring



Local / Standalone Platform Monitoring

Applications

Industrial Environments



Data Centers



Energy Management Systems



Characteristics

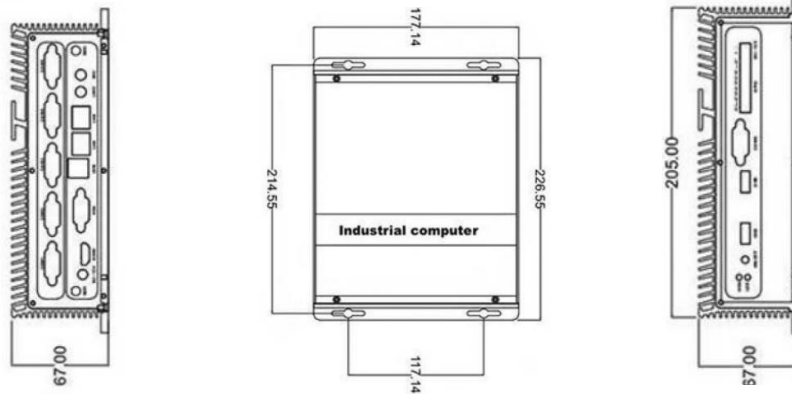
The PTSSS001 adheres to HTML5 WEB standards and leverages advanced web development technologies like Web Socket. The system's decentralized and centralized architecture allows for scalable data collection and efficient centralized management, with collectors automatically registering and transmitting data to the IoT host.

This architecture ensures robust and streamlined operations. Additionally, the system is highly maintainable, featuring a stable and reliable LINUX operating system that minimizes maintenance issues such as environmental compatibility, network virus infection, and system file mishandling. The system console facilitates comprehensive management of the IoT host, including IP network configuration, application service management, system updates, port management, and system restart/shutdown operations.



Dimensions

(Unit: mm)



Specifications

Operational Supply	12 V DC/5 A	Overall Power Consumption	7.3 W(General), 13.3 W(Maximum)
Processor	Intel Core i5 - 4200 U	Wireless Operating Bandwidth	433.92 MHz
Operating System	LINUX Ubuntu -18.04	Dimension	225 x 175 X 67 mm
Chipset	INTEL Chipset	Weight	2.3 Kgs
GPU	Integrated HD GPU	Color	Silver Flash
Memory	4G, Single Channel DDR3L-1600	Installation Method	Wall mounted / Embedded / Desktop
Network Card	2*100 M/1000 M/BAST-T gigabit Network Card	Compliance	EN 61326; EN 62311; EN 220, 300, 301, 400, 489
Storage HDD Capacity	500 GB	Ordering Information	
IO Interface	6*USB, 6*COM (4*RS485 + 2*RS232)	Part Number	Product Description
Case	Pure copper and aluminium alloy structure. No fan design, No Dust and Noise	PTSSS001	PTSenR™ Industrial PC Server
Relative Humidity	≤95% RH (Non-Condensing)		
Storage Temperature	-10°C ~ 85°C		
Operating Temperature	-10°C ~ 60°C		