

GSM Based Temperature & Humidity Monitor for Condense Environment

AI-RHTx-GSM



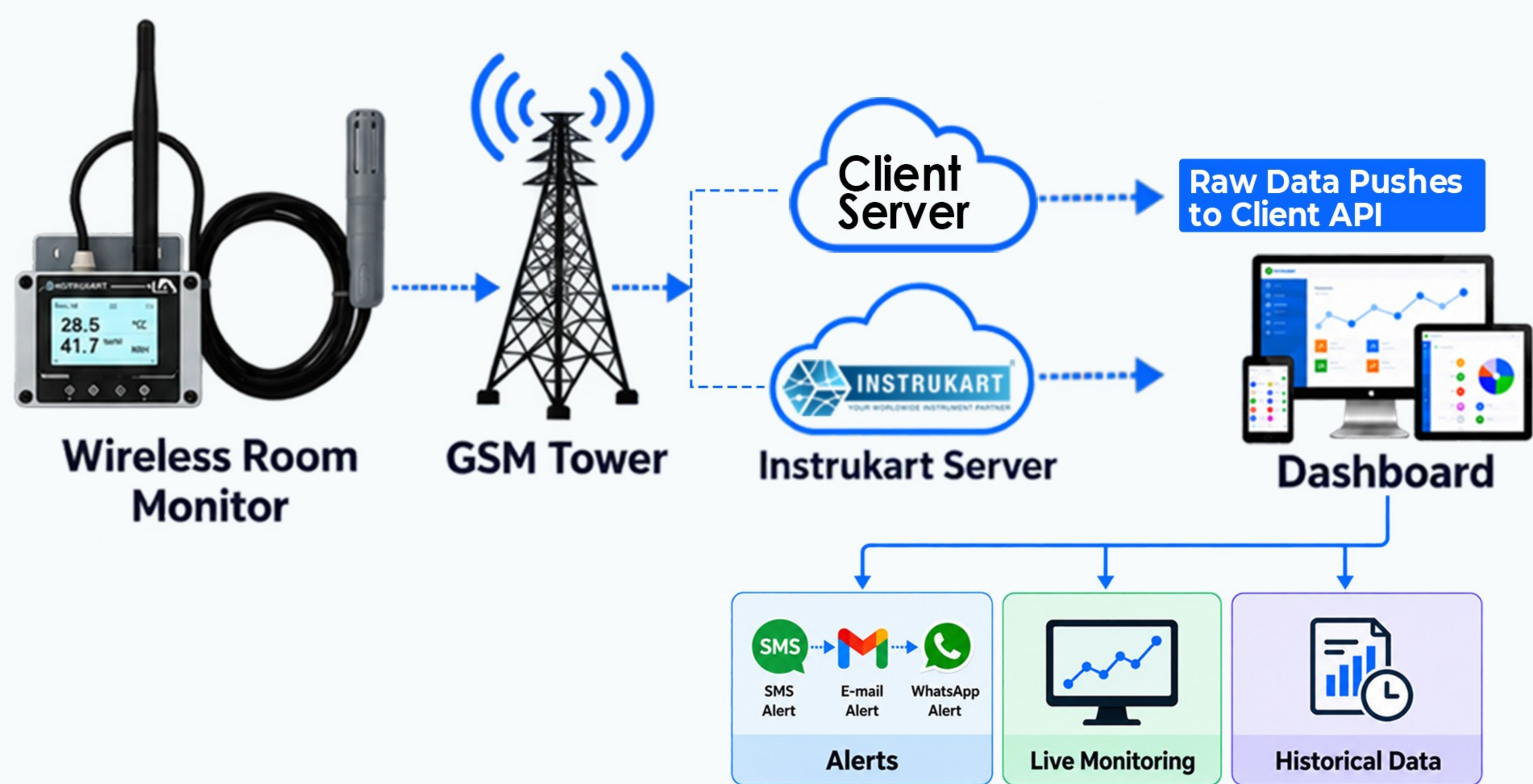
Product Overview

Wireless Temperature & Humidity Monitor accurately measures Temperature and Humidity with a provision of external sensor to place inside the monitoring area while the Indicator can be mounted outside (Lobby, Corridor etc). This Smart Monitor helps the user to alert remotely by the way of SMS, WhatsApp & Email. The Dashboard feature helps the user to view/download/analyse real-time data of temperature and humidity with date and time stamp and graphical or tabular representation.

Features

- Simultaneous monitoring of temperature and relative humidity
- IoT-enabled remote monitoring through a web-based dashboard
- Real-time data visualisation and historical data access
- Configurable SMS, WhatsApp & email alerts for parameter-limit violations
- Graphical data trends and report downloads in PDF and Excel formats
- User-configurable monitoring and data transmission settings
- Compact, wall-mountable design

SMS/Email/Cloud Realtime Alert



Email Alert:
Email Alert Notification when parameter value is out of pre-set threshold. Standard Provision for registering multiple (upto 5) Email IDs (Contact store for customisation)



SMS Alert
Periodic SMS: SMS at regular time intervals programmable by the user.
Alert SMS: SMS on Temperature exceeding set limits (Lo & Hi).
On-Demand SMS: SMS on request from 5 registered mobile numbers.



WhatsApp Alerts :
Receive alerts via WhatsApp when monitored parameters exceed the configured thresholds. Stay informed about environmental changes in the server room through WhatsApp alerts.



Cloud Function :
Web Based Interface (Mobile App/PC/Tab) to view real time data transmitted

Cloud Space Ownership:

Please consult our team to select the hosting option that suits your application and IT requirements.

Option 1: Hosted on Instrukart Cloud Server (Annual or Lifetime Subscription)



We securely store your monitoring data on our cloud servers. This means you can check your data, view dashboards, and get alerts anytime, from anywhere, without setting up or maintaining your own servers.

Option 2: Hosted on Customer / End-User Server



The monitoring system is integrated with your organization's own server or cloud infrastructure, giving you complete ownership and control over data storage, security, backups, and IT management. Suitable for organizations with dedicated IT policies or compliance requirements.



Web Interface Demo:

- Please refer to the Document
- Please consult the store for the web link and credentials.

Note: (Internet connectivity depends on SIM network & Recharge



Technical Specifications

Model 1	AI-RHTX-SMS (SMS only)
Model 2	AI-RHTx-IoT1-1 (with Hosting) Features: SMS + Email + WhatsApp Cloud With Hosting at Instrukart's Server
Model 3	AI-RHTx-IoT1-2 (End User Hosting) Data pushes to clients API – Custom API Integration
Temperature Measuring Range	0 to 50.0 Deg.C
Accuracy	+/- 0.3 Deg.C
Humidity Measuring Range	0 to 100% RH
Accuracy	± 1.8% for 10 to 95% RH, ± 2% for all other ranges
Display	128 X 64 Dot Matrix Graphical Large LCD Display with White Backlight
Resolution	0.1% RH
Sensor Type	1 Polymer sensing for Temperature 2 Capacity polymer sensing for Relative humidity 3 Option of Wired External Probe or Integrated Probe fixed to Body
Cable Length	Connecting Cable, pre-wired 3 mtrs.Extension of 10 mtrs between display monitor & sensor (Contact store)
Connectivity	GSM Connectivity (SIM Card at end users scope) SMS & Data Pack for data Transmission taken care by end user
Buzzer	Standard In-Built Buzzer for Alarm. External Buzzer Option upto 18 mtrs also available (Contact store)
Acknowledgement Key	Provided for user to acknowledge the alarm manually, thus avoiding continuous buzzer alarm sound & user attention
Communication	GSM GPRS module, Standard SIM Slot available: 25 X 15 mm Note: SIM Card, SMS Pack and Data pack to end user scope
GSM Bandwidth	Support for GSM 850/900/1800/ 1900 MHz(used in most parts of the world).
Cloud Space Ownership	Please consult Store Option 1: Hosting at Customer/End User Server. Option 2: Hosting at Instrukart server (min 1 Year Subscription)
Web Interface Demo	Please consult Store for web link and credentials
Operating Temperature	Safe operating temperature of instrument is 0 to 50°C
Power Supply	12 VDC Input with minimum of 2 Amp current rating. Adaptor provided alongwith
Enclosure	Wall mounting type ABS Plastic Enclosure with Wall Bracket (IP 65 splash proof)
Supply Scope	1 Unit of Temterature & Humidity Monitor, Power Adapter, Instruction Manual & Calibration Certificate
Calibration	Will be provided at no extra cost and valid for 12 months, traceable to national standards
Weight & Dimension	850 gm and (120 X 80 X 69) mm
Warranty	1 year manufacturing warranty under manufacuring defects only
Manufacturer	Ace Instruments

Compliance



Related Products



LAN-based
Temperature and
Humidity Monitor



Wi-Fi Based Carbon
Dioxide Monitor

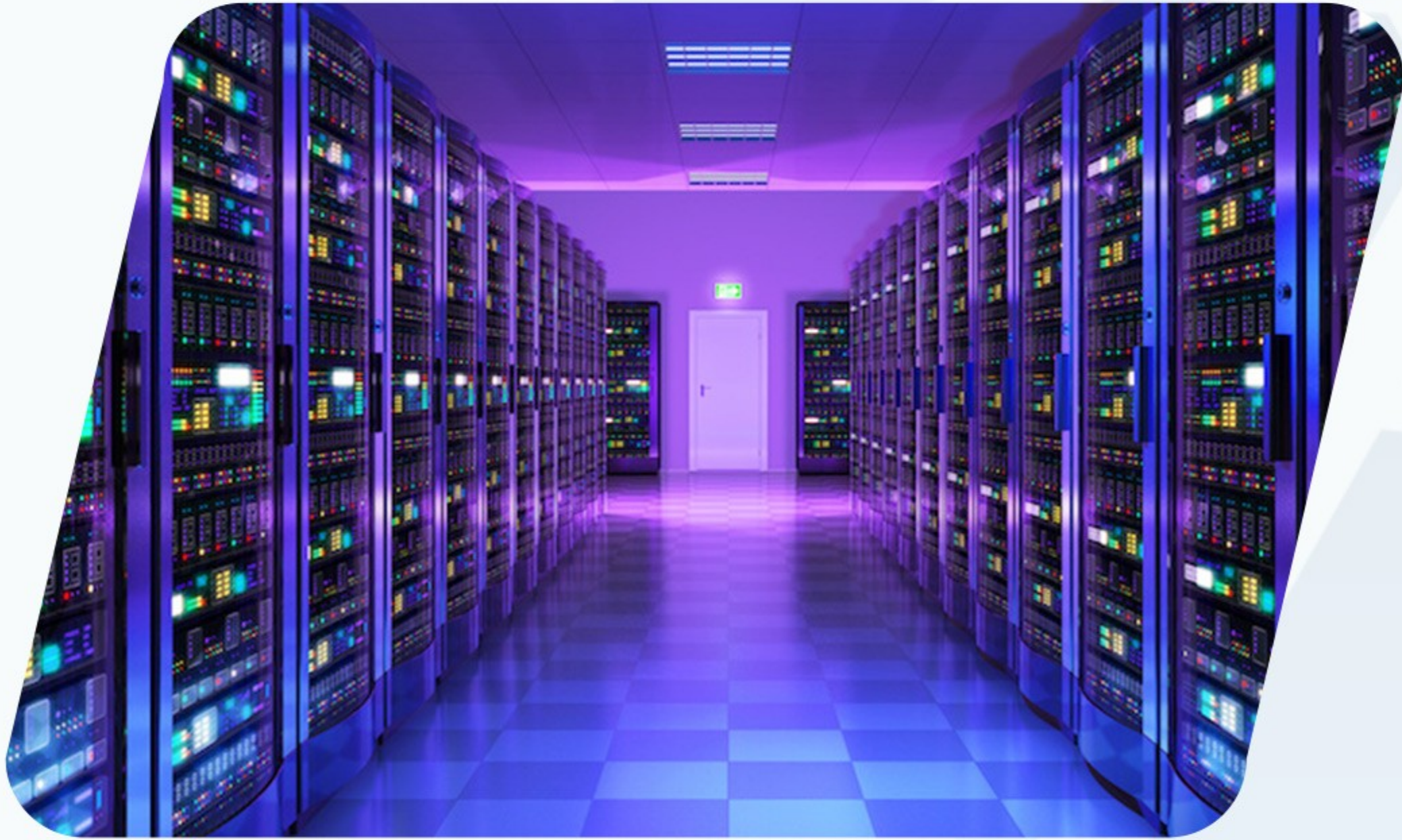


Advanced Indoor
Air Quality Monitor



Indoor PM 2.5 and
PM10 Detector

Applications



IT Server Rooms



Data Centre



Medical labs



Hospitals

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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