

Technical Specifications

| Parameter | Details |
|-----------------------|---|
| Display | LED indicators for Network, Door, AC Mains, Battery, and Charging Status |
| Storage | 4 GB (expandable to 8 GB); stores 10 days of offline data; unlimited cloud |
| Connectivity | 4G LTE module with external antenna |
| Battery Backup | 7.4V 5200mAh Li-Ion battery (12+ hours backup) |
| Sensor Modules | PT100 temperature sensor ($\pm 0.5^{\circ}\text{C}$ accuracy); Magnetic door sensor |
| Temperature Range | -25°C to $+70^{\circ}\text{C}$; Resolution $\pm 0.1^{\circ}\text{C}$ |
| Power Supply | 110–280V AC, 50Hz |
| Power Consumption | Peak: 5W; Average: 2.5W |
| Clock | Built-in Real-Time Clock (RTC) for timestamping |
| Environment Tolerance | 0 to 70°C operating temperature; 5% to 85% RH (non-condensing) |
| USB Port | 1 USB port for local configuration |
| Cloud Dashboard | Real-time monitoring, reports, and alert management |
| Mobile App | Available for Android/iOS for remote access and notifications |
| Alerts | SMS, Email, Push Notifications for temp breach, power loss, door events |

Smarter Control for Your Cold Chain

An IoT-based warehouse monitoring solution for real-time visibility of temperature and operations.

prompt
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WATCH
IoT-Based Warehouse Monitoring System



Prompt Equipments Pvt. Ltd.

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INTRODUCING WAREWATCH

An IoT-Based Device to Monitor Warehouse

Warewatch is an advanced warehouse monitoring solution, it continuously tracks critical parameters such as temperature, AC mains status, and door open/close events and stores data locally and syncing it to the cloud in real time.

Accessible via a centralized dashboard and mobile app, Warewatch enables 24/7 monitoring, instant alerts, and data-driven decision-making. With automated notifications and audit-ready reports, it delivers precision, transparency, and complete control over your warehouse operations.

Key Challenges in Warehouse Monitoring

Cold storage facilities face several operational risks that can lead to product loss, regulatory issues, and inefficiencies. Manual systems lack visibility, consistency, and responsiveness making real-time management difficult.

| Temperature Fluctuations | Unauthorized Access | Power Failure | Limited Visibility | Delayed Response Time |
|--|---|--|---|---|
| Inconsistent cooling can lead to spoilage of dairy, pharmaceutical, and frozen products, while delayed manual checks make it difficult to detect temperature deviations in time. | Lack of door monitoring increases the risk of theft, tampering, or mishandling, while off-schedule entries often go undetected without real-time alert systems. | Sudden power outages affect refrigeration and ventilation, compromising product quality. | Without real-time data, storage conditions can't be tracked proactively. Monitoring multiple warehouse sites becomes difficult and inefficient. | Delayed detection of abnormal conditions results in irreversible losses, also preventing timely interventions and damage control. |

Key Features

- Real-Time Temperature Monitoring**
Tracks temperature, power, and door status with cloud backup.
- Mobile App + Web Dashboard**
View live data, receive alerts, and generate reports anytime.
- Power & Door Monitoring**
Captures real-time door activity and AC mains status changes.
- Smart Alerts**
Escalation-ready SMS, email, and push notifications for any abnormal event.
- Offline Data Backup**
Stores up to 10 days of data in case of network failure.
- Cloud Firmware Updates**
Remotely upgrade the system with zero downtime.

Key Benefits



Ensures Regulatory Compliance

Generates audit-ready logs and real-time reports to meet industry inspection and documentation requirements.



Maintain Product Quality

Detects even minor deviations in temperature or power status to protect sensitive goods and maintain freshness.



Delivers Cost Savings

Optimized energy usage, reduced spoilage, and automation of manual monitoring lead to significant operational savings.



Improves Energy Efficiency

Tracks power fluctuations and door-open durations to optimize AC performance and reduce energy waste.



Enhances Security

Smart IoT sensors detect unauthorized access and generate instant alerts and helping prevent theft and tampering.



Supports Better Decision-Making

Actionable insights and dashboards empower managers to optimize cold chain performance proactively.



Use Cases Across Industries



Pharmaceutical Warehouses



Frozen & Perishable Food Storage



Cold Chain Logistics & Distribution Hubs



Retail & FMCG Cold Rooms