

MEDICAL-GRADE CLOUD BASED TEMPERATURE/ENVIRONMENTAL MONITORING DATA LOGGER SYSTEM



Service Overview

Our Medical-Grade Cloud-Based Temperature and Environmental Monitoring Data Logger System provides continuous, automated monitoring of temperature and environmental conditions for public sector and regulated organisations.

The service is designed for environments where accuracy, reliability and auditability are critical. It is commonly used to protect temperature- and environment-sensitive assets such as medicines, vaccines, samples, controlled storage areas and other regulated environments, while remaining suitable for a broad range of public sector use cases.

The solution replaces manual temperature checks with a secure, cloud-based system that provides real-time visibility, automated alerting and a complete audit trail. It is delivered as a fully managed service, reducing operational burden while improving assurance and compliance.

Service Objectives

The objectives of the monitoring service are to:

- Provide continuous, accurate monitoring of temperature and environmental conditions
- Reduce the risk of asset loss, spoilage or non-compliance
- Replace manual logging with automated, auditable records
- Enable rapid response through real-time alerts and escalation
- Support inspections, audits and regulatory assurance
- Improve operational resilience and confidence

Intended Customers

This service is intended for public sector and regulated organisations that manage temperature- or environment-sensitive assets.

This includes healthcare organisations, laboratories, education providers, local authorities, emergency services and other public bodies.

The service is suitable for organisations of varying size and complexity and can be deployed across single sites, multiple locations or estate-wide environments.

Scope of Service

The service provides end-to-end delivery of a medical-grade, cloud-based environmental monitoring solution.

The scope includes the supply of calibrated, medical-grade data loggers, secure cloud platform access, configuration of monitoring parameters, alert thresholds and escalation routes, ongoing data collection, reporting and support.

The system supports monitoring of temperature as standard, with additional environmental metrics such as humidity, CO2 and legionella available depending on sensor configuration. No on-site servers are required, and the service operates independently of existing clinical or business systems.

Service Delivery Approach

The service is delivered using a structured, low-disruption approach designed for operational environments.

Delivery begins with a discovery and onboarding call to understand storage locations, acceptable ranges, monitoring requirements and escalation processes. Alert recipients, escalation hierarchies and response expectations are agreed to ensure alerts are actionable and appropriate.

Devices are pre-configured prior to deployment and delivered directly to site. Installation is straightforward and non-invasive, typically requiring devices to be placed within the monitored environment and powered on. Once live, devices transmit encrypted readings to the cloud platform at defined intervals.

The platform continuously records data and evaluates readings against agreed thresholds. When a breach or risk condition is detected, automated alerts are issued to nominated contacts, supporting rapid intervention and minimising potential loss.

Historical data is retained within the platform and can be viewed through dashboards or exported to support inspections, audits and internal reviews.

Key Features

The service combines medical-grade sensing hardware with a secure cloud monitoring platform to deliver reliable, auditable environmental monitoring. Automated alerting and configurable escalation routes ensure that issues are identified and acted upon promptly.

Clear dashboards, historical trends and exportable reports support both operational oversight and formal assurance activities.

Benefits

The monitoring service significantly reduces the risk of unnoticed temperature excursions and environmental failures. Organisations benefit from earlier intervention, reduced reliance on manual checks and improved confidence that assets are being stored within required conditions.

Automated records and historical reporting support audits and inspections, while real-time alerting improves response times and operational resilience.

Support Levels

Support is available at different levels to reflect organisational size, complexity and risk appetite.

GP IT Services provides Standard Support within the service price and provides remote assistance during business hours, help with alert configuration, platform guidance and access to user documentation. By standard, we offer a fully Managed Service option at no extra cost, providing proactive monitoring, alert escalation support, regular reporting and service reviews.

Pricing Model

Pricing is based on the number and type of sensors and gateway devices. The service is priced as a fixed recurring fee per device, ensuring predictable and transparent costs. All pricing is agreed prior to service commencement.

Security and Compliance

All data is transmitted and stored securely within the cloud platform. The service supports compliance with relevant regulatory and quality requirements and is suitable for use in regulated environments.

Medical-grade sensors are used to support the accuracy and reliability required for compliance and assurance purposes.

Onboarding and Offboarding

Onboarding includes discovery, configuration, device provisioning and go-live support. Offboarding includes secure decommissioning of devices, data handover where required and structured service termination.

Service Availability

Monitoring and alerting operate continuously, 24/7. Support is provided during business hours as standard, with enhanced support options available by agreement.

Service Outcomes

Outcomes include continuous environmental visibility, reduced risk of loss or non-compliance, improved audit readiness and increased operational confidence.

Contact and Escalation

Clear contact details, support routes and escalation processes are provided at service commencement to ensure timely assistance throughout the service lifecycle.

Service Constraints and Dependencies

The service provides monitoring, alerting and reporting but does not include physical intervention or corrective action. Customers remain responsible for responding to alerts and taking appropriate action.

Reliable power and suitable installation locations are required. Connectivity requirements are confirmed during onboarding.

About Us

IT Auxilium Ltd is a UK technology services provider delivering secure, dependable IT solutions where reliability is critical.

Healthcare is a core specialism. Through our dedicated divisions, GP IT Services and Health IT Services, we support General Practices, Primary Care Networks and independent healthcare providers with IT designed for clinical environments and aligned to NHS frameworks and UK security standards.

Beyond healthcare, IT Auxilium applies the same disciplined, security-led approach to all businesses we support. From managed IT and cybersecurity to cloud services and digital transformation, we provide proactive monitoring, clear accountability and responsive UK-based support, acting as a trusted extension of our customers' teams.

Health IT Services & GP IT Services are trading names of IT Auxilium Ltd.

Additional Support Services

Cyber Essentials (Plus) Consultancy & Audit

Our Cyber Essentials and Cyber Essentials Plus Consultancy and Audit service guides organisations through scoping, gap analysis, remediation and certification. We align with NCSC and NHS expectations, managing audits end to end to achieve certification efficiently and with minimal disruption.

NHS Data Security and Protection Toolkit (DSPT) Support

Our NHS Data Security and Protection Toolkit (DSPT) Support service provides structured guidance to achieve and maintain compliance. We assess readiness, address gaps, prepare evidence and support submissions, ensuring alignment with NHS requirements while reducing risk and administrative burden.

Artificial Intelligence (AI) Readiness Assessment and Advisory Service

Our Artificial Intelligence Readiness Assessment and Advisory Service helps organisations evaluate capability, risk and governance before adopting AI. We assess data maturity, security and compliance, providing clear recommendations to enable responsible, safe and value-driven AI adoption.

IT Managed Service Provider

Our Managed IT Service offering delivers proactive, fully supported IT management. We provide 24/7 monitoring, security, patching and responsive UK-based support, ensuring systems remain secure, reliable and optimised while you focus on your core operations.

Microsoft 365 Migration & Onboarding

Our Microsoft 365 Migration and Onboarding service ensures a smooth, secure transition with minimal disruption. We plan, migrate and configure your environment, apply security best practice and support user adoption, enabling organisations to realise value quickly and confidently.

Backup & Disaster Recovery

Our Backup and Disaster Recovery services provide comprehensive protection across endpoints, Entra ID, Microsoft Azure, Microsoft 365 and Google Workspace. We deliver secure, automated and monitored backups with clearly defined recovery options, helping organisations restore systems and data quickly following cyber incidents, accidental deletion or service disruption. Our approach is designed to support business continuity, regulatory expectations and operational resilience, ensuring critical data remains protected, accessible and recoverable when it matters most.