![CoolGuard logo — COOL GUARD, Sensors to Cloud]

SMART WIRELESS NODES AND GATEWAY

SEAMLESS ENVIRONMENTAL MONITORING FOR EXPANSIVE SPACE

Introducing the

Kryo-100 Series
Smart Wireless Nodes and Gateway

Revolutionize environmental monitoring across industrial plants, warehouses, cold storage, and remote facilities with the **Kryo-100 Series** - CoolGuard's next-generation wireless ecosystem engineered for reliability, scalability, and precision.

Why Choose the Kryo-100 Series by CoolGuard?

Truly Wireless Architecture
Eliminate complex cabling with long-range, interference-resistant wireless connectivity. Ideal for large and distributed facilities.

Plug-and-Play Deployment
Quick, hassle-free installation with automatic node–gateway pairing. Minimal disruption, zero rewiring.

Live Monitoring & Instant Alerts
Capture and visualize real-time temperature, humidity, and other critical metrics. Get proactive SMS/email alerts on threshold breaches.

Scalable & Modular Design
Easily expand from a single node to hundreds across multiple zones—designed to grow

Energy-Efficient and Power-Resilient Operation
Powered via AC mains for continuous performance, each Kryo-101-CC node is equipped with an internal backup battery that ensures up to 8 hours of uninterrupted operation during power outages. This dual-power architecture guarantees reliable monitoring even in challenging conditions, minimizing data loss and downtime.

Kryo-101-CC – Wireless Environmental Node

Precision Sensing | Industrial Durability | Ultra-Reliable Communication

- **Multi-Sensor Capability:** Measures temperature, humidity, and optional parameters

- **Operating Temperature Range:** -40°C to +60°C

- **Robust Wireless Range:** 800+ meters line-of-sight using secure protocols (LoRa)

- **Industrial-Grade Build:** IP65-rated casing, suitable for cold, dusty, and highmoisture environments

- **Battery or External Powered:** Flexible power modes for fixed and mobile use cases

Best for: *Cold storage chambers, reefer docks, process areas, server rooms, pharma warehouses*

Kryo-101-DD – Nexus Gateway

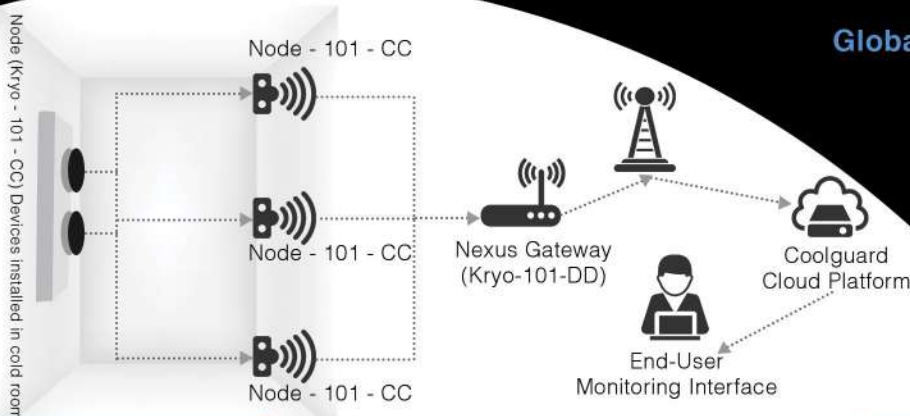*Your Intelligent Gateway to the Cloud*

- **Multi-Node Aggregation:** Each Kryo-101-DD Gateway can securely connect and collect real-time data from up to 8/16/32 Kryo wireless nodes, making it ideal for small to medium-scale deployments. For larger setups, multiple gateways can be deployed and managed seamlessly via the CoolGuard Cloud Platform.

- **Cloud-Ready:** Seamlessly integrates with the CoolGuard Cloud via Ethernet/4G/Wi-Fi

- **Failsafe Buffering:** Local data backup during connectivity outages

- **Compliance-Ready:** Supports CFR 21 Part 11 / WHO GDP data integrity guidelines

Best for: *Centralized control rooms, IT panels, monitoring hubs in large sites*

CoolGuard Cloud Platform

Real-Time Visibility | Advanced Analytics | Multi-Site Management

- **24x7 Access from anywhere**—PC or mobile
- **Custom Alerts** for temperature/humidity deviations
- **Audit Logs & Reports** for pharma/GxP compliance

- **User Management** with role-based access
- **Data Retention** configurable up to 3 years or more

Node (Kryo - 101 - CC) Devices installed in cold room

Node - 101 - CC
Node - 101 - CC
Node - 101 - CC

Nexus Gateway (Kryo-101-DD)

Coolguard Cloud Platform

End-User Monitoring Interface

Global Reach with Local Support

India (Head Office)

Lateral emSoft Pvt Ltd
306, The Great Eastern
Galleria, Sector-4, Nerul, Navi
Mumbai 400706

UAE (Regional Office)

911, Clover Bay Tower,
Business Bay, Dubai, UAE

Get Started Today

Let our wireless solutions transform your operations

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Empower Your Facility with CoolGuard Kryo-100 — The Smarter, Wireless Way to Monitor What Matters.