JTF wireless monitoring

Node+ Sensor range

Complete wireless monitoring — built for compliance, scalability and performance

JTF Wireless supplies, configures and supports the Sematics® Node+ Series — compact wireless LoRaWAN sensors built for reliable temperature, door, humidity and analog monitoring in food, pharma, healthcare and critical storage.

Whether you're tracking cold storage, doors, humidity zones or external industrial probes, we help you choose the right Node+, integrate it with your gateway network, and stay fully compliant.

What can you monitor?

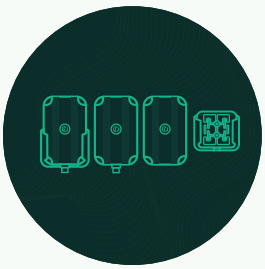
- Fridges & Freezers
- Cold rooms
- Distribution facilities
- Pharma labs
- Retail Stores
- Food
- Pharma
- Healthcare
- Hospitals
- And more

sematics

Exclusive UK Service Delivery Partner for Sematics

Model Selection

Which Node Sensor is Right for You?



	Model	Inputs	Best for	Applications
	Node+ embedded	Embedded temperature	Simple temperature logging	Cold stores, fridges, ambient storage
	Node+ PT100	External PT100, embedded temperature, door switch	High-accuracy extreme temperature	Ultra low freezer, fluid tanks, medical fridges
	Node+ Digital	External Temp/RH, embedded temperature, door switch	Temperature and humidity	Labs, pharmacies, freezers, ambient storage
	Node+ Analog	External Temp/RH, embedded temperature, door switch	Sensor integrations	Pressure, gas detection, clean rooms and more
	Node+ IO	Door switch only	Cost-effective door monitoring	Industrial doors, fridge/ freezer doors, relay inputs

Shared features

Long battery life
Up to 4+ years on replaceable lithium cells at standard logging intervals.

Flexible mounting
Wall bracket supports screw, cable tie, or adhesive pad install.

Secure LoRaWAN
Fully standards-based Class A protocol, AES-128 encryption, EU 868 MHz.

High accuracy, pre-calbrated
Precise to ±0.1°C - ideal for regulated environment (EN12830 Class 0.2).

Ultra-long range
Up to 20 km line-of-sight; 1 km+ typical in built environments.

ISO 17025 calibration
Available with UKAS-accredited certificate for compliance.

Smart logging & backfill
Stores Up to 100 days of internal memory. Automatically recovers data Wirelessly if required.

Fully integrated
Works seamlessly with Sematics Gateways, Sematics Cloud, and JTF's remote monitoring services.

Why JTF Wireless?

More than just a sensor provider. We're your monitoring partner

More than just a sensor provider – we're your monitoring partner.

As the exclusive UK service delivery partner for Sematics, JTF Wireless doesn't just ship hardware. We consult, install, calibrate and support every system from design to audit.

What you get with JTF:

Expert specification
We help you choose the right Node+ sensors for every asset and environment.

Seamless installation
On-site deployment, mapping and validation doen right first time.

Accredited calibration
ISO 17025 calibration available, with fully traceability and audit compliance.

Proactive support
Access to our dedicated service desk and technical team – no hidden handovers.

Trusted by leading healthcare, pharmaceutical and food businesses across the UK.

Device Accessories

Plug-and-Play with these sensor options

	Node+ Embedded	Node+ PT100	Node+ Digital	Node+ Analog	Node+ IO
PT100 External sensor		✓			
Temp/RH			✓		
Analog Cable				✓	
Door Switch (Heavy, light, wired)		✓	✓	✓	✓
Dual PT100 and door switch		✓			
Dual Temp/RH and door switch			✓		
Dual Analog and door switch				✓	

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Ready for Complete Cold Chain Confidence?

Whether you're protecting chilled storage, safeguarding hospital medicines, or monitoring and tracking your fleet in transit — JTF Wireless delivers the complete solution.

One partner. One platform. Fully managed. Fully compliant.

Trusted by leading food, pharma, and healthcare operators across the UK.

Bidcorp | gousto | Sciensus | synnovis | brakes | TESCO | ceva LOGISTICS | Nisa | NHS | Public Health England

Your next steps:

Need full specs? Download the official Sematics Node+ Datasheets from your product portal.

Ready to roll out new sensors? Contact our team today — we'll handle the supply, install and lifetime support.

Contact Details:

0121 794 8092
sales@jtfwireless.com
www.jtfwireless.com

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