Datasheets

Sematics® introduces Link+ Series, a robust, industrial-grade gateway range designed to power enterprise-scale wireless monitoring with intelligent backhaul and seamless cloud integration.

Built for challenging environments across sectors such as logistics, pharmaceuticals, food distribution and critical infrastructure, Link+ Gateways provide resilient connectivity through LoRaWAN®, 4G LTE, and mesh networking. Each model supports encrypted data transmission, over-the-air configuration updates and flexible power options, ensuring secure, uninterrupted performance.

With native integration into the Sematics® platform, Link+ enables real-time data routing, alarm delivery and network-wide visibility to ensure compliance, traceability and operational continuity.

sematics

Link+ Core

Always Connected, Anywhere.

Sematics Link+ Core is a compact, semi-industrial LoRaWAN gateway with built-in 4G LTE — giving you reliable wireless IoT coverage, automatic backhaul failover, and the same Link OS 1.2 features as its larger sibling, the Link+ Pro. With 8-channel LoRaWAN, resilient mesh backhaul, and easy mounting, it's perfect for indoor deployments, smaller sites, or edge zones that need robust, standards-based coverage without over-engineering.

Typical Applications

- Small warehouses or cold rooms
- Outbuildings, pump houses, or farm buildings
- Retail or hospitality back-of-house monitoring
- Local expansions on a larger site
- Smart agriculture micro-clusters (greenhouse zones)

4G
LTE

IP67

LoRa

AES 128

Key Features

Compact & Cost-Effective
Small size fits tight spaces. Use only what you need — no extra cost.

Remote Control
Manage and update via Sematics Cloud. Secure VPN access.

Mesh Backhaul
Gateways link together wirelessly.

Two-Way LoRa
Send updates to sensors remotely.

LoRaWAN Standard
Works with all certified LoRaWAN devices.

Easy Setup
9—24 VDC power. Mounts to wall or pole.

Light Outdoor Use
IP65-rated. Safe under shelter from rain.

Built-In Encryption
AES-128 keeps data secure end-to-end.

Technical Specifications

Parameter	Details
LoRa Radio	Single SX1302 concentrator, 8 channels
LoRaWAN Protocol	LoRaWAN 1.0.3/1.0.4, Full bi-directional uplink/downlink, ADR, message confirmation, AES-128 encryption
Device Capacity	Up to 2,000 devices
Sensitivity	-139 dBm min receive, +27 dBm max TX
Primary Backhaul	4G LTE Cat 4
Mesh Backhaul	Built-in IP-level mesh routing for multi-hop backhaul between gateways
CPU & Memory	MT7628 580 MHz CPU, 128 MB DDR2 RAM
Gateway Management	Link OS 1.2 with secure OTA updates, VPN, remote fleet management
Enclosure	IP65; 180×125×57 mm, ~750g
Operating Temperature	-30 °C to +55°C
Power	9-24 VDC input
Mounting Options	Wall mount kit included
Connections	Nano SIM slot, LoRa SMA connector
Certifications	CE, FCC, UKCA

JTF | wireless monitoring

MADE IN BRITAIN®

Delivering the Technology that's redefining monitoring standards

JTF Wireless is the trusted service partner of Sematics - delivering industry-leading monitoring systems across healthcare, life sciences, food production and logistics. We specialise in the deployment, calibration and support of cutting edge Sematics hardware and software, ensuring our clients benefit from seamless installations, reliable data and audit-ready compliance from day one. From system design and validation to proactive support and ongoing optimisation, our expert team helps you unlock the full value of your environmental monitoring investment.

Let's connect

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