Indoor LoRaWAN® Gateway specifications

The Kerlink iFemtocell Evolution is a carrier-grade Indoor LoRaWAN gateway with integrated SIM Card for ease of deployment and operation.

No additional network access is required unless cellular connectivity is poor at install location.

Supplied ready-connected to the Microshare Cloud, it only needs a power socket to provide connectivity to up to 100 sensors within and outside buildings.

Radio

Rx sensitivity	-140dBm (SF12)
Backhaul connectivity	4G Worldwide module with 3G/2G fallback and Ethernet
Frequency	EMEA, India: 863-870 MHz North America: 902-928MHz APAC, Lat Am: 915-928MHz

Mechanical

Dimensions	90mm x 160mm x 35mm
Weight	163g (Gateway only) 372g (with packing)
Power options	AC/DC power supply (90-264VAC/12VDC) with 5.5x2.5mm plug 5V DC supply via USB-C

Ease of Deployment

Zero Touch Provisioning	Delivered set up to connect automatically to the Microshare Cloud on first boot
Pre-installed SIM Card	M2M IoT SIM included in package for instant sensor connectivity. SIM card is restricted to gateway use for security.

Environmental

Temperature	-20°C to +55°C (gateway only)
IP rating	IP 30

Certifications

FCC ID: 2AFYS-KLK915MWIFC

IC: 20637-KLKFEVO915.

Radio Equipment Directive 2014/53/EU (RED)

ROHS2 Directive 2011/65/EU

WEEE Directive 2002/96/EC

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