



#### Additional Help and Support




For additional product support, specifications, a detailed user manual and installation tips go to [support.ixon.cloud](https://support.ixon.cloud). For direct technical support and questions, get in touch with our Technical Support team via [support@ixon.cloud](mailto:support@ixon.cloud) or +31 (0)85 – 744 1105.

#### Connectivity specifications

Model	Wi-Fi	Cellular
IX2400		
IX2405		Region: Worldwide LTE: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B18 B19/ B20/ B25/ B26/ B28/ B38/ B39/ B40/ B41 WCDMA: B1/ B2/ B4/ B5/ B6/ B8/ B19 GSM: B2/ B3/ B5/ B8
IX2410	802.11b/g/n Client + AP mode	
IX2415	802.11b/g/n Client + AP mode	Region: Worldwide LTE: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B18 B19/ B20/ B25/ B26/ B28/ B38/ B39/ B40/ B41 WCDMA: B1/ B2/ B4/ B5/ B6/ B8/ B19 GSM: B2/ B3/ B5/ B8

All models can connect via a wired connection (Ethernet cable).

#### General Specifications

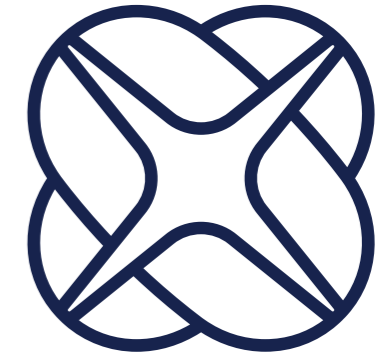
Ports	5x GbE (4x LAN, 1x WAN), 1x USB2.0
Power supply	12-24 VDC +/- 20% LPS 2A
Power consumption	About 2.5 to 5 Watt (idle)
Temperature range	-20°C to 65°C
Dimensions	111 x 95 x 28mm
Physical specs	Metal case, IP20, DIN rail mountable
Certifications	  
Warranty	Two years
IXON Cloud	Lifetime access included

#### Warning

The IXrouter allows the user to remotely connect to industrial control equipment via Ethernet, Wi-Fi, and cellular network connections. The remote user may fully operate and monitor the local control system and affect the function and control of the application similar to a local operator. Proper Control, Security and Safety Procedures should be considered and implemented when utilizing the remote access feature.

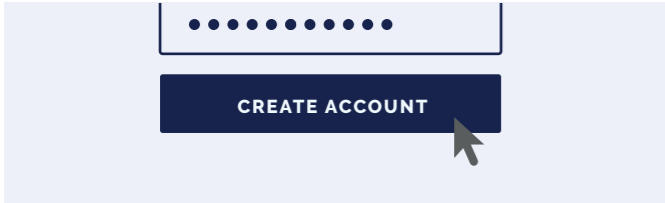
#### Wi-Fi and 4G models

The antenna used with this transmitter must be installed with a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antennas or transmitters. Only an antenna tested with the wireless transmitter or a similar antenna with equal or lesser gain may be used. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



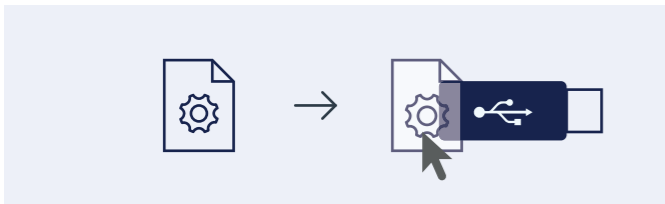
## IXrouter Quick Start Guide

Seamlessly integrated with the IXON Cloud



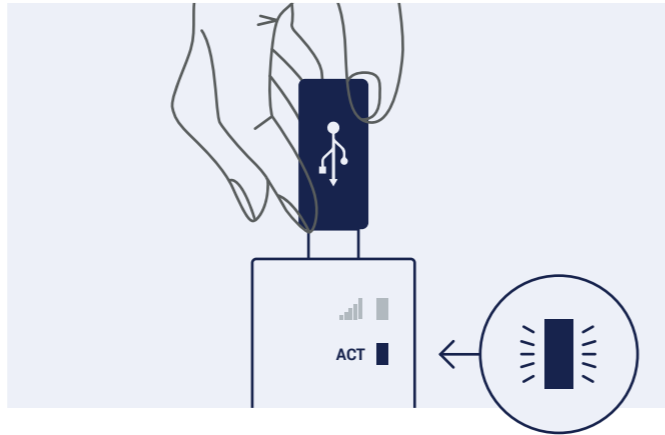
### 1. Create your account

Get started with the IXrouter by creating an account on the IXON Cloud. Set up your own IloT user and company account by visiting [portal.ixon.cloud](https://portal.ixon.cloud)




### 2. Get config

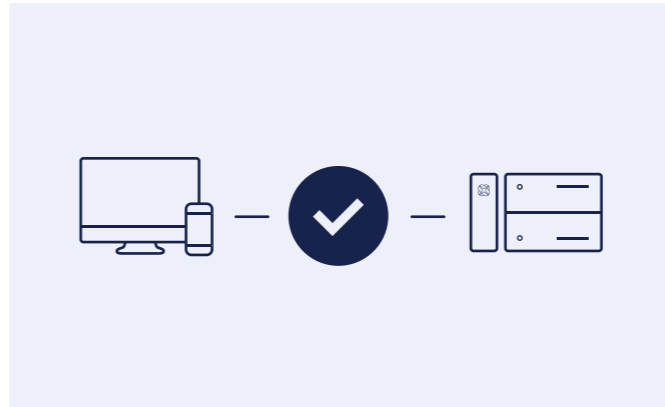
Easily create the configuration file for your IXrouter from your own IloT account. Go to the IXON Cloud Fleet Manager app. Open the [Devices] menu, and press the Add new device button to start the self-explaining wizard. Save the downloaded file to a USB flash drive (included) using the exact filename `router.conf`.



### 3. Connect

No matter your situation, you can always connect your machine to the cloud. The IXrouter provides wired (Ethernet), 4G or Wi-Fi connectivity options. Registration starts immediately upon inserting the USB flash drive. Once the ACT led status is steady blue, the IXrouter is connected to the IXON Cloud and will automatically show up in your company account.

 Only insert the SIM card when the IXrouter is turned off.




### Ready. Set. Go!

You've now successfully installed your IXrouter. The IXrouter is designed for and seamlessly integrated with the IXON Cloud. Any further configuration can be handled from your own IloT account. The IXON Cloud offers a multitude of services. Deliver remote service, monitor your machine, set up alerts, and create high-end data reports. It's all at your fingertips in your own customer portal.

Find out more about IXON's solution and its endless possibilities on [www.ixon.cloud](https://www.ixon.cloud).

### Troubleshooting Front Panel LEDs

LED	State	Description
	Constant Blue	Connected, good reception
	Constant Purple	Connected, medium reception
	Constant Red	Connected, poor reception
	Blinking Blue fast	Initializing cellular module
	Blinking Blue 1 pulse	No reception or unable to connect to network (APN or SSID may be incorrect)
	Blinking Red 1 pulse	No reception or unable to connect to network (APN or SSID may be incorrect)
	Blinking Red 2 pulses	PIN invalid or PUK required
	Blinking Red 4 pulses	SIM card is invalid or missing
ACT	Constant Blue	Successfully connected to the IXON Cloud
	Blinking Blue 1 pulse	Connecting to the IXON Cloud
	Blinking Blue 2 pulse	Initiating VPN connection
	Constant Red	Booting up (may take 1 min) or not yet registered
	Blinking Red 1 pulse	Waiting for internet access
	Blinking Red 3 pulses	LAN/WAN conflict (conflicting subnets)
	Blinking Red 4 pulses	Removed from the IXON Cloud (re-insert USB flash drive to register again)
Blinking Red 5 pulses	Previously registered to the IXON Cloud (remove from the IXON Cloud and register again)	