

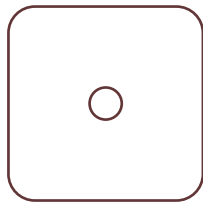
Squid.link 3

High-performing gateway for edge computing solutions



The Squid.link 3 is an open Linux platform including multiple leading wireless networks for communication with various IoT devices including Zigbee, Bluetooth, Thread, and Matter.

The gateway comes in 2 CPU options: a single core Cortex A-55 application processor and a super-fast multi core CPU. The multi core CPU and the included NPU is ideal for edge AI handling of both sensor data and live video.



Key features

- Powerful edge computing
- Long battery life (Wake on alarms from Zigbee or sub-1 GHz)
- Multiple wireless standards
- EN50131 (Alarm) and EN50134 (Social care) compliant
- Flexible configuration: CPU, memory, wireless networks, battery and white labeling
- Secure Boot

Compliant with leading care and security standards

The Squid.link 3 comes with a long battery life time, making it compliant with EN50131 (Alarm) and EN50134 (Social Care) standards. It also incorporates a high level of cyber security to protect vulnerable personal data meaning that the gateway is ideal for your insurtech, alarm, care, or energy solution.

Compatible with previous Squid.link gateways

The Squid.link 3 is backwards compatible with the Squid.link 2B and 2X. As they are based on the same SDK, software porting from previous models is made easy.

Customization options

Design the appearance and packaging of the Squid.link 3 the way you want it. Choose the color of the top label and add your logo. Define your LEDs, button, and functionalities - and you are ready.

MOQs for customization options:

Less than 3,000 pieces: Standard gateways

3,000 - 10,000 pieces: White label standard gateways

More than 10,000 pieces: Fully customized gateways

Squid.link 3

Technical specifications



Squid.link 3 - Available standard models for white labeling

All standard gateways include: USB, Ethernet, Wi-Fi, Bluetooth, BLE, Zigbee, Thread, and a power supply.

ON01	ON02	ON11	ON12
Basic	Care / Energy	Insurtech	Full
Multi core CPU 1 GB RAM 4 GB Flash	Multi core CPU 1 GB RAM 4 GB Flash Sub-1 GHz RX/TX PoE	Multi core CPU 1 GB RAM 4 GB Flash 2500 mA Battery EU CAT 1 bis	Multi core CPU 1 GB RAM 4 GB Flash 6500 mA Battery EU Cat 1 bis / 2G Vo LTE Dual Sim 2x Sub-1 GHz PoE

Technical specifications

General

Dimensions (WxHxD)	103 x 102 x 28 mm
CPU	Cortex-A55/1,4GHz or 2 x Cortex-A55/1,7 GHz + Cortex-M33/250MHz + ETHOS U-65
RAM	256 MB, 512 MB, 1GB or 2GB
Flash	4GB (Optional up to 256 GB)
Power supply	External USB-C (5V) EU, UK , or Multi plug Optional: Power over Ethernet (PoE)
Battery backup	2500 mAh or 6500 mAh Up to 6 hours in operation Up to 24 hours in sleep: Wake on Zigbee, Sub-1 GHz, tamper or timer. (72h battery option available)
Ethernet	10/ 100 Mbit/s
Expansions	USB 2.0 port
Environment	IP class: IP20 Operation temperature 0 to +50°C Battery temperature 0 to +40°C Relative humidity 5% - 85%, non condensing

Squid.link 3

Technical specifications



Security

Secure boot
Secure Element
HW encryption/decryption (Write only key)

Cybersecurity

EN18031-2

Wireless communication

Zigbee

Version 3.0, TX: +10 dBm, RX: -101 dBm

Wi-Fi

IEEE802.15b/g/n/a/ac/ax – 2,4 and 5 GHz.
TX: 16 dBm (IEEE802.11b) / 14 dBm (802.11g/n/ax/ac)
RX: -96 dBm (802.11b@1Mb/s) / -90 dBm (802.11ac)

Bluetooth

Version: 5 BLE and Classic
BLE TX: 15 dBm
BLE RX: -96 dBm (Long Range: -103 dBm)
Classic TX: 10 dBm (BR)
Classic RX: -92 dBm (BR)

Thread

TX: +10dBm, RX: -99 dBm

Sub-1 GHz RX/TX

860-925 MHz, TX: +10 dBm, RX: -100 dBm

Sub-1 GHz RX

868-869 MHz, RX: -123 dBm (@ 120kb/s)

Modem options

1. LTE Cat 1 bis
2. LTE Cat 1 bis / 2G, VoLTE; Dual sim
3. LTE EU/NA Cat 1 bis / 2G; Dual sim
On board Antenna (Optional SMA Whip antenna)

Sim option

Modem 1: Nano sim or eSim or Telia eUICC sim
Modem 2 or 3: 2 x nano sim or nano sim + eSim or
Telia EUICC sim + nano sim

Certifications

EU
EN50131 (Intrusion Alarm compliant)
EN50134 (Social Care Alarm compliant)

Operating System

Linux