

iXpro® Gateway



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Our gateway developed in collaboration between ithinx and NXP, merging HF expertise with worldwide support.

This multiprotocol gateway offers significant versatility, with easy integration through multiple interfaces. Designed for speed to market, it comes equipped with patented integrated antenna technology, ensuring both performance and cost-effectiveness.

Furthermore, the board offers a Linux OS with a Board Support Package included, ensuring robust security and stability. And with wireless drivers guaranteed for over a decade, it provides a lasting basis for your product.

Connectivity:

- WLAN IEEE 802.11 b/g/n
- Low Power Radio: IEEE 802.15.4 (Zigbee or Thread), IEEE 802.15.1 (Bluetooth)
- LTE CAT1bis with GNSS

Technical Specification:

- Power supply: 9–36V DC
- WLAN-frequency: 2.4/5 GHz
- Low Power Radio: 2.4 GHz
- Temp. range: -25°C to +85°C

Electrical Interfaces:

- 1x USB-A (USB2.0)
- 1x USB-C (USB2.0)
- 1x Ethernet (10/100)
- 1x CAN 2.0b
- 1x RS485
- 1x LVDS
- 4x LEDs
- 1x 5V output
- 1x 30pin extension connector

Key Facts

- Dimensions – 120x110mm²
- Powerful NXP i.MX 93 Core CPU (Single or Dual Core)
- NXP IW612 triple radio module for Wifi and Low Power Radio
- SIMCOM 7672G LTE CAT1bis modem
- 2GB DDR4 SDRAM (512MB to 2GB possible)
- 16GB eMMC (8GB to 256GB possible)
- Yocto based Linux platform
- Significant economies of scale on BOM and production through Viessmann Electronics
- Further services available; Matter Bridge Application, Device Drivers and Application Support



Designed for:

