

## IoT Expresslink 2 Click



PID: MIKROE-5927

**IoT ExpressLink 2 Click** is a compact add-on board that allows users to connect to IoT ExpressLink services easily and securely interact with cloud applications and other services. This board features the SARA-R510AWS, an LTE-M AWS IoT EspressLink module from u-blox. It supports a comprehensive set of 3GPP Rel. 14 features that are relevant for IoT applications, like improvements to power consumption, coverage, data rate, mobility, and positioning. They are 5G-ready, meaning customers will be able to (software) upgrade their deployed devices once 5G LTE has been fully rolled out by mobile operators, greatly improving end-product scalability and lifetime. This Click board™ makes the perfect solution for the development of smart homes, industrial automation, health care, consumer electronics, and many more.

IoT ExpressLink 2 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

|                  |   |
|------------------|---|
| Type             | Cloud Routers,LTE IoT   |
| Applications     | Can be used for the development of smart homes, industrial automation, health care, consumer electronics, and many more   |
| On-board modules | SARA-R510AWS - LTE-M AWS IoT EspressLink module from u-blox   |
| Key Features     | Direct AWS IoT cloud access secured with hardware-based root of trust, supports a comprehensive set of 3GPP Rel. 14 features that are relevant for IoT applications, 5G ready upgradable over the software, micro-SIM card, SMA antenna, and more |
| Interface        | UART,USB  |
| ClickID          | Yes   |
| Compatibility    | mikroBUS™   |
| Click board size | L (57.15 x 25.4 mm)   |
| Input Voltage    | 3.3V or 5V  |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

## Downloads

[IoT Expresslink 2 click example on Libstock](#)

[IoT Expresslink 2 click 2D and 3D files](#)

[IoT Expresslink 2 click schematic](#)

[TPS7A7002 datasheet](#)

[SN74LVC1T45 datasheet](#)

[SARA-R510AWS-01B datasheet](#)

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