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 EsxpressLink 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.

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 EsxpressLink module from u-blox
Key Features	Direct AWS IoT cloud access secured with hardware-based root of trust, s upports 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