

MULTITECH®
CREATE • CONNECT • COMMUNICATE

MultiTech Conduit®

IoT Starter Kit for LoRa® Technology

for Japan AS923

Quick start your Internet of Things idea...
with business insight, analytics and visualization in minutes.

MultiTech Conduit® IoT Starter Kit for LoRa® Technology provides everything needed to rapidly get your LoRa proof of concept up, running and connected to the cloud – all in one box. This Starter Kit has been created specifically for the Japanese market and features support for AS923 MHz channel plans as well as the NTT Docomo and Softbank networks. The Conduit IoT Starter Kit is designed to enable you to obtain sensor information and display it in the cloud within minutes of opening the box. The starter kit features the MultiTech mDot™ and xDot® Arm® Mbed™ programmable LoRa Alliance Certified™ end points, dev boards, a reference design and Site Survey tool plus the Conduit – the industry's most configurable, manageable, and scalable cellular communications gateway for industrial IoT applications.

MultiTech understands how difficult and frustrating it can be to get your IoT idea assembled and working properly and has designed the Conduit Starter Kit to greatly speed up and enhance your experience developing with LoRa technology. MultiTech has reduced the hassle and complexity to integrate with confidence the different elements of any LoRa IoT design – sensors, end points, gateways, LAN and 4G-LTE cellular WAN communications to Industry leading LoRaWAN® network servers and cloud IoT platforms – check out Conduit IoT Starter Kit recipes for more ideas!

"Get started" with recipes from our partners.

BENEFITS

- Pre-configured AS923 Conduit, mDot Box and cloud connectors simplify and quicken PoC or Site Survey execution
- Out-of-the-box connectivity to leading IoT Cloud platforms enables data insight, analytics, and visualization in minutes
- All Conduit LoRa components, including Arm Mbed programmable xDot and mDot modules required for connectivity from edge sensors to the cloud bundled together in one box to reduce confusion and simplify IoT PoC ordering process

FEATURES

- Conduit certified for Japan AS923 bundled with Ethernet and/or 4G-LTE backhaul with GNSS
- Online Recipes detailing Sensor, LoRaWAN Network Server and cloud platform integrations
- Temperature, light, pressure, and accelerometer sensors plus GPS included in the mDot Box
- Flexibility to conduct LoRa Site Survey and/or develop end-to-end LoRa proof of concepts
- Listen Before Talk and ISM band scanning for advanced collision prevention

www.multitech.com/conduitstartertkit

MULTITECH CONDUIT® IOT STARTER KIT

The Conduit LoRa Starter Kits for Japan are designed for operation in the Japan market on the NTT Docomo and Softbank networks, respectively. Two backhaul communication versions are available – Ethernet only or 4G-LTE – and both are bundled with GNSS functionality.

Conduit is the industry's most configurable, manageable, and scalable cellular communications gateway for industrial IoT applications. MultiTech DeviceHQ® is a cloud-based tool set for managing the latest generation of MultiTech devices. DeviceHQ takes remote device management and maintenance to a new level, by providing an application marketplace, allowing users to browse applications, or build their own, then easily deploy and customize them for remote devices from anywhere.

Conduit recipe web site enables quick start access to your end device data flows through the cloud. Visit: www.multitech.com/landing-pages/starter-kit

For more detailed information, please refer to www.multitech.com or contact your MultiTech sales representative.

ORDERING INFORMATION

MultiTech Conduit® IoT Starter Kit with Ethernet Only Backhaul

Model	Description	Region
MTCDT-246A-STARTERKIT-AS923-JP	Ethernet Only Conduit IoT Starter Kit for LoRa Technology 923 MHz, with GNSS • Includes: MTCDT-246A-923-JP • LoRa Specifications: 923 MHz, 8 channel, half-duplex, Listen Before Talk (LBT) • Accessory Kit #SK5	Japan

MultiTech Conduit® IoT Starter Kit with Ethernet and Cellular Backhaul

Model	Description	Region
MTCDT-LDC3-246A-STARTERKIT-923	LTE Conduit IoT Starter Kit for LoRa Technology 923 MHz, with GNSS • Includes: MTCDT-LDC3-246A-923-JP • MNO Approval: NTT Docomo • LoRa Specifications: 923 MHz, 8 channel, half-duplex, Listen Before Talk (LBT) • Accessory Kit #SK6	Japan
MTCDT-LSB3-246A-STARTERKIT-923	LTE Conduit IoT Starter Kit for LoRa Technology 923 MHz, with GNSS • Includes: MTCDT-LSB3-246A-923-JP • MNO Approval: Softbank Network • LoRa Specifications: 923 MHz, 8 channel, half-duplex, Listen Before Talk (LBT) • Accessory Kit #SK6	Japan

Go to www.multitech.com for detailed product model numbers.

ACCESSORY KIT CONTENTS

Description	Part Number	Quantity	Accessory Kit #SK5	Accessory Kit #SK6
mCard LoRa Gateway Accessory Card	MTAC-LORA-H-923-JP	1	●	●
mDot Long-Range RF Module	MTDOT-923-JP1-X1P-SMA-1	1	●	●
xDot Micro Developer Kit and xDot Long Range LoRa Module	MTMDK-XDOT-JP1-A00 MTXDOT-JP1-A00-1	1	●	●
mDot Developer Kit	MTUDK2-ST-MDOT	1	●	●
mDot Micro Developer Kit	MTMDK-ST-MDOT	1	●	●
mDot Box LoRa Evaluation and Site Survey Box w/ GPS	MTDOT-BOX-GLOBAL	1	●	●
868/915 MHz LoRa Antenna	AN868-915A-1HRA	2	●	●
GPS Antenna, Mag Mount, 5 Meter Cable	ANGPS-1MM	1	●	●
LTE Antenna	ANLTE4-2HRA	2		●
Power supply w/ regional-specific blade(s)	--	1	(A)	(A)
Ethernet cable	--	1	●	●
USB cable	--	2	●	●
Quick-Start Guide	--	1	●	●
9 Volt Battery	--	2	●	●

(A = US, EU, UK, AU Power Blades)

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

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Services & Warranty

MultiTech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

Installation Support

MultiTech's Installation Support Service delivers priority service with the ability to work one-on-one with an experienced MultiTech technical support engineer, to guide you through the installation process for our products.

Technical Support Services

At MultiTech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your MultiTech representative or visit www.multitech.com/support.go

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