MULTITECH®

CREATE • CONNECT • COMMUNICATE

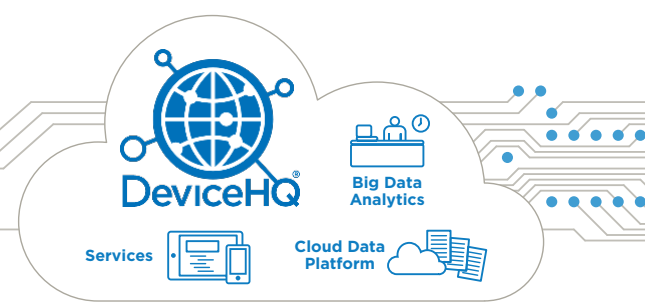LoRa®

MultiTech mDot™ Box

MultiTech mDot™

arm MBED

MultiTech Conduit®

MultiTech Conduit®
IoT Starter Kit for LoRa® Technology
for EU868 Europe & US915 North America

DeviceHQ

Big Data Analytics

Services

Cloud Data Platform

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. 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 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 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

• Everything required for LoRa connectivity from edge sensors to the Cloud

• Europe 868 MHz and North America 915 MHz LoRa gateway connectivity bundled with cellular backhaul options with GNSS and Wi-Fi/Bluetooth

• 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

www.multitech.com/conduitstartertkit

MULTITECH CONDUIT® IOT STARTER KIT

There are several versions of the Conduit Starter Kit for 868 MHz and 915 MHz applications, designed for operation in the Europe and North America market places, respectively. Kits with cellular backhaul are bundled with GNSS and Wi-Fi/Bluetooth, Ethernet only kits are bundled with GNSS.

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-868	Ethernet Only Conduit IoT Starter Kit for LoRa Technology 868 MHz, with GNSS • Includes: MTCDT-246A-868-EU-GB • LoRa Specifications: 868 MHz, 8 channel, half-duplex • Accessory Kit #SK1	Euro
MTCDT-246A-STARTERKIT-915	Ethernet Only Conduit IoT Starter Kit for LoRa Technology 915 MHz, with GNSS • Includes: MTCDT-246A-915-US-EU-GB • LoRa Specifications: 915 MHz, 8 channel, half-duplex • Accessory Kit #SK2	US/Canada

MultiTech Conduit® IoT Starter Kit with Ethernet and Cellular Backhaul

Model	Description	Region
MTCDT-L4E1-247A-STARTERKIT-868	LTE Conduit IoT Starter Kit for LoRa Technology 868 MHz, with GNSS and WiFi/BLE • Includes: MTCDT-L4E1-247A-868-EU-GB • MNO Approval: European Network Operators (GCF Certified Module) • LoRa Specifications: 868 MHz, 8 channel, half-duplex • Accessory Kit #SK3	Euro
MTCDT-L4N1-247A-STARTERKIT-915	LTE Conduit IoT Starter Kit for LoRa Technology 915 MHz, with GNSS and WiFi/BLE • Includes: MTCDT-L4N1-247A-915-US-EU-GB • MNO Approval: AT&T and Verizon • LoRa Specifications: 915 MHz, 8 channel, half-duplex • Accessory Kit #SK4	US/Canada

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

ACCESSORY KIT CONTENTS

Description	Part Number	Quantity	Accessory Kit #SK1	Accessory Kit #SK2	Accessory Kit #SK3	Accessory Kit #SK4
mCard LoRa Gateway Accessory Card	MTAC-LORA-H-868	1	●		●	
	MTAC-LORA-H-915	1		●		●
mDot Long-Range RF Module	MTDOT-868-X1P-SMA-1	1	●		●	
	MTDOT-915-X1P-SMA-1	1		●		●
xDot Micro Developer Kit and xDot Long Range LoRa Module	MTMDK-XDOT-EU1-A00 MTXDOT-EU1-A00-1	1	●		●	
	MTMDK-XDOT-NA1-A00 MTXDOT-NA1-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-G-868	1	●		●	
	MTDOT-BOX-G-915	1		●		●
868/915 MHz LoRa Antenna	AN868-915A-1HRA	2	●	●	●	●
WiFi/Bluetooth Antenna	ANWBT-1HRA	1			●	●
GPS Antenna, Mag Mount, 5 Meter Cable	ANGPS-1MM	1	●	●	●	●
LTE Antenna	ANLTE2-2HRA	2			●	
	ANLTE4-2HRA	2				●
Power supply w/ regional-specific blade(s)	--	1	(A)	(A)	(B)	(C)
Ethernet cable	--	1	●	●	●	●
USB cable	--	2	●	●	●	●
Quick-Start Guide	--	1	●	●	●	●
9 Volt Battery	--	2	●	●	●	●

(A = US, EU, UK, AU Power Blades), (B = EU, UK Power Blades), (C = US Power Blade)

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

Trademarks and Registered Trademarks: MultiTech and the MultiTech logo, Conduit, mDot, xDot, mCard, DeviceHQ: Multi-Tech Systems, Inc. All other products and technologies are the trademarks or registered trademarks of their respective holders.

MULTITECH®