

## Welcome

Thank you for purchasing a MultiConnect® Conduit™. The Conduit™ is a programmable gateway that uses an open Linux development environment to enable machine-to-machine (M2M) connectivity using various wireless interfaces. It also provides an online application store for industrial things as a platform for developers to provision and manage their gateway and associated sensors and devices.

## What's in the box

Your Developer Kit includes the following:

Developer Board	1 - MTCDDT-Conduit Developer Board
Power Supply	1 - 100-240V 9V-1.7A Power Supply with removable blades
	1 - NAM blade/plug
	1 - EURO blade/plug
Cables	1 - Micro USB Cable
	1 - Ethernet Cable RJ45 6-ft.
Antennas	Varies with Conduit model
Customer Notices	Quick Start
	Registration Card

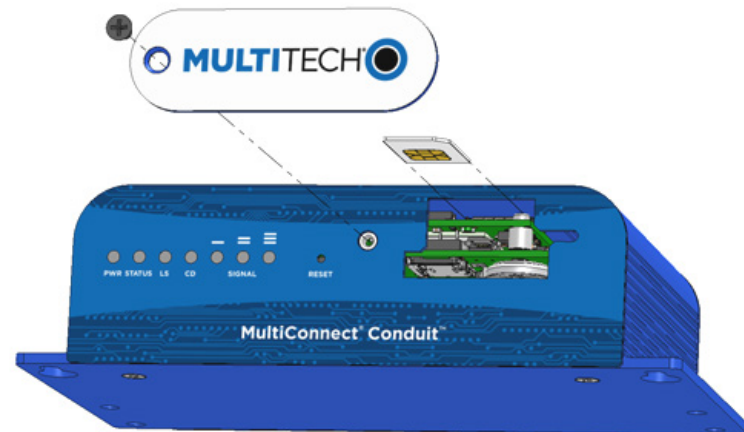
## Installing the SIM Card

You need:

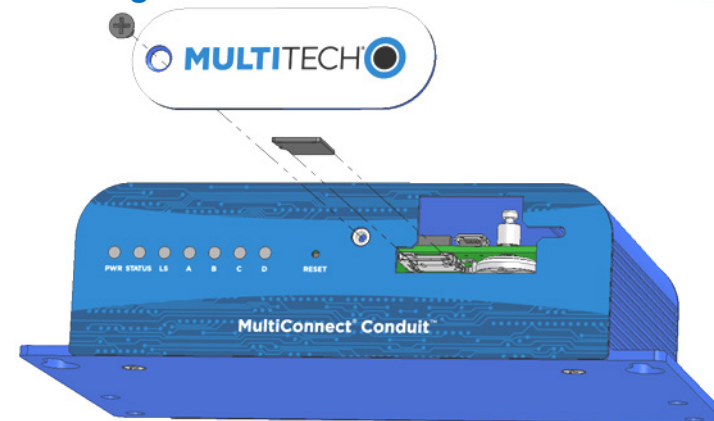
- Phillips screwdriver
- SIM card

To install or replace the SIM Card:

1. Disconnect power to the Conduit, if it is connected.
2. At the front of the Conduit housing, remove the screw that secures the nameplate to the housing and remove the nameplate.
3. At the upper right side of the opening, locate the SIM and its sleeve. If a SIM card is installed and needs to be removed, slide it out of the sleeve.
4. Gently push the new or replacement SIM card into the sleeve face up with the cut corner to the right and the SIM contacts facing toward the interior of the housing.
5. Reattach the nameplate to the housing using the screw removed in step 2.



## Installing the SD Card



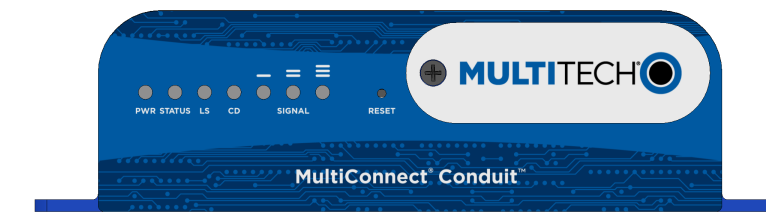
You need:

- Phillips screwdriver
- SD memory card

To install or replace the SIM Card:

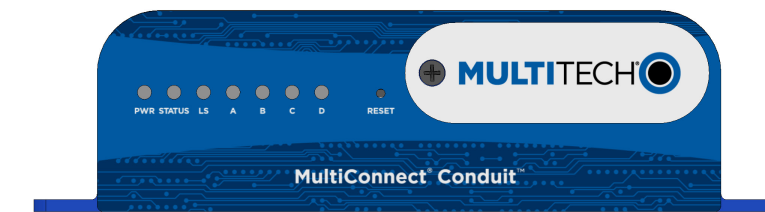
1. Disconnect power to the Conduit, if it is connected.
2. At the front of the Conduit housing, remove the screw that secures the nameplate to the housing and remove the nameplate.
3. Locate the SD card at the left side of the opening on the underside of the PC board. If an SD card is already installed, gently push on the card to release it from its setting and remove it from the housing with your fingers.
4. With the new SD card contacts facing up and toward the interior of the housing, gently push the card into the slot to secure it in place.
5. Reattach the nameplate to the housing using the screw removed in step 2.

## Application Enablement model LEDs



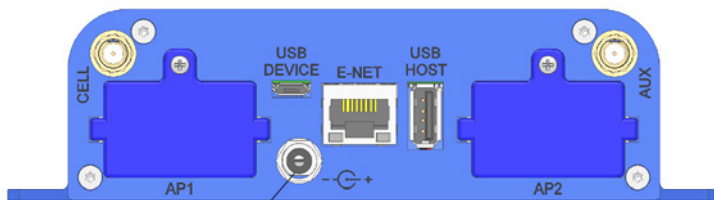
Label	Name	Description
PWR	Power	Solid (constant green) if unit is on, indicating that power is present.
STATUS	Power Status	Default condition: LED blinks when mLinux is fully loaded.
LS	Link Status	Varies with radio model.
CD	Carrier Detect	This LED is on when a cellular data connection is made. Present on the Conduit Application model only.
Signal	Signal Strength	These 3 LEDs display the strength of the cellular signal. Present on the Conduit Application model only.

## mLinux model LEDs




Label	Name	Description
PWR	Power	Solid (constant green) if unit is on, indicating that power is present.
STATUS	Power Status	Default condition: LED blinks when mLinux is fully loaded.
LS	Link Status	Varies with radio model.
A-B-C-D	--	These 4 LEDs are user-specified. Present on the Conduit mLinux model only.

## Back Panel Connectors

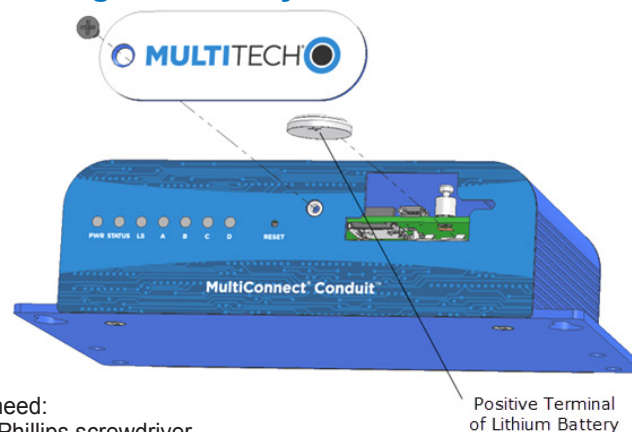


Power Receptacle

Label	Description
CELL, AUX	Cellular antenna inputs. CELL - Primary AUX - Rx Diversity/MIMO
AP1, AP2	Slots for MultiTech accessory cards.
USB DEVICE	User-defined, high-speed 480 Mbps, standard USB 2.0 Micro B connector.
E-NET	RJ-45 receptacle for standard Ethernet 10/100 Base-T. <b>Caution:</b> Ethernet ports and command ports are not designed to be connected to a public telecommunication network. <b>Caution:</b> Les ports Ethernet et de commande ne sont pas conçus pour être raccordés à un réseau de télécommunications public.
USB HOST	High-speed, standard USB 2.0 Type A connector. 500mA maximum current draw.
Power	9-32 Vdc power receptacle for provided power cord. 

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## Replacing the Battery



You need:

- Phillips screwdriver
- Non-metal tweezers or similar object
- CR1632 standard coin lithium battery

The battery is located in the Conduit housing.

To install or replace the battery:

1. Disconnect power to the Conduit, if it is connected.
2. At the front of the Conduit housing, remove the screw that secures the nameplate to the housing and remove the nameplate.
3. The battery holder is located at the right side of the opening on the underside of the PC board. Use non-metal tweezers as necessary to remove an existing battery.
4. Orient the new battery so that the positive (+) pole is facing down. Use your fingers or non-metal tweezers to insert the battery into the holder.
5. Reattach the MultiTech nameplate to the housing using the screw removed in step 2.

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## Additional Information

Additional information for the MultiConnect® Conduit™ can be found at [www.multitech.net/developer/products/conduit](http://www.multitech.net/developer/products/conduit)

## Regulatory Information

For additional regulatory information see [www.multitech.net](http://www.multitech.net)

### 47 CFR Part 15 Regulation Class B Devices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Quick Start Guide

## MultiConnect® Conduit™ Quick Start Guide

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support@multitech.co.uk

+(44) 118 959 7774

### Knowledge Base

<http://www.multitech.com/kb.go>



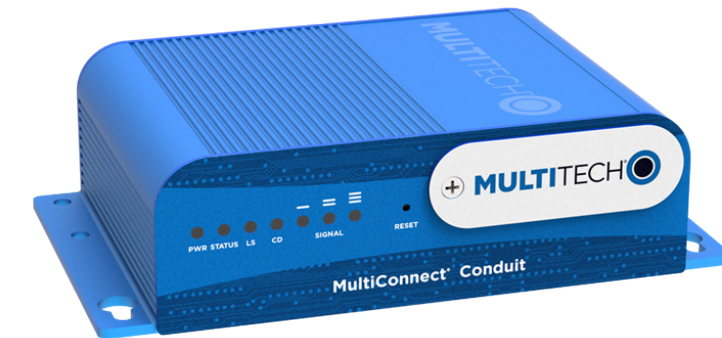
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(800) 972-2439 or (763) 717-5863

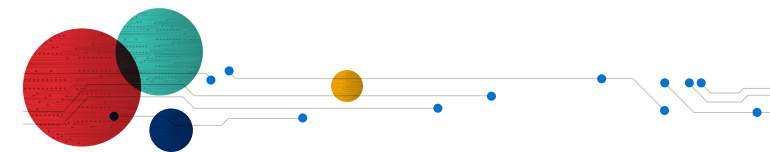
### Support Portal

<https://support.multitech.com>



## MultiConnect® Conduit™

### MTCDT Quick Start



[www.multitech.com](http://www.multitech.com)