



Unlocking the potential of  
the Internet of Things

pLTE-CBRS devices  
Utah School Districts – May 13<sup>th</sup>, 2021



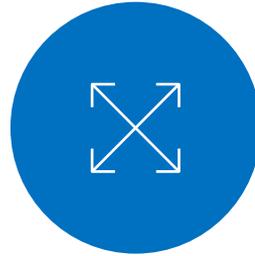


Design

Develop

Manufacture

Integrated &  
scalable **devices**  
and **services**



**50+**

years of  
experience

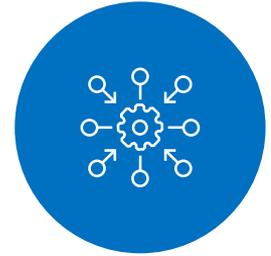
**US Based** Corporation  
with **Manufacturing HQ**  
in Minneapolis, MN



**>100**

million  
devices  
worldwide

Bespoke solutions  
across multiple  
**high-growth industries**



**125+**

patents  
awarded

# MultiTech Manufacturing and Quality

- On-site U.S. manufacturing
- Maximum control and flexibility
- 100% functional testing
- Global Forward and Reverse Logistics
- Custom Manufacturing
- Activation, provisioning & testing
- Highly trained and cross-trained workforce with an average tenure of more than 15 years
- ISO 9001: 2008 certified
- ISO: 13485 certified, a step above ISO: 9000



## Terminals



SocketModem



Dragonfly



xDot



MultiConnect  
Modems

## Gateways



Conduit



MultiConnect  
Routers

## Software & Services



## Smart Buildings/Retail

Walmart 

Honeywell

 motorola

Sainsbury's



MIGROS

REWE   
GROUP

## Energy



 varentec



 ENPHASE

Lan is  
Gyr+

Schlumberger

-chargepoint+

MISSION  
COMMUNICATIONS

## Healthcare

Boston  
Scientific

 coolsculpting®

 FRESENIUS  
MEDICAL CARE

stryker®

ZOLL LifeVest®

## Transportation & Logistics

 WANCO®

FLASH  
TECHNOLOGY 



 Mobile Climate Control

WI-TRONIX 

LB Foster®

**BNSF**  
RAILWAY

# Student Distance Learning



MultiConnect® rCell 600  
Wi-Fi Multi-Port Router



Simply plug into laptop

MultiConnect® microCell  
USB CBRS Modem



Ruckus r310  
Wi-Fi AP



MultiConnect® eCell  
Ethernet CBRS Bridge

Today

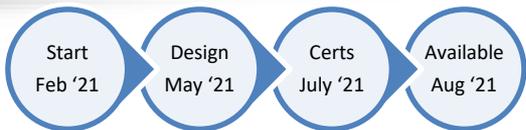


Conduit Wi-Fi AP  
CBRS Wi-Fi Access Point

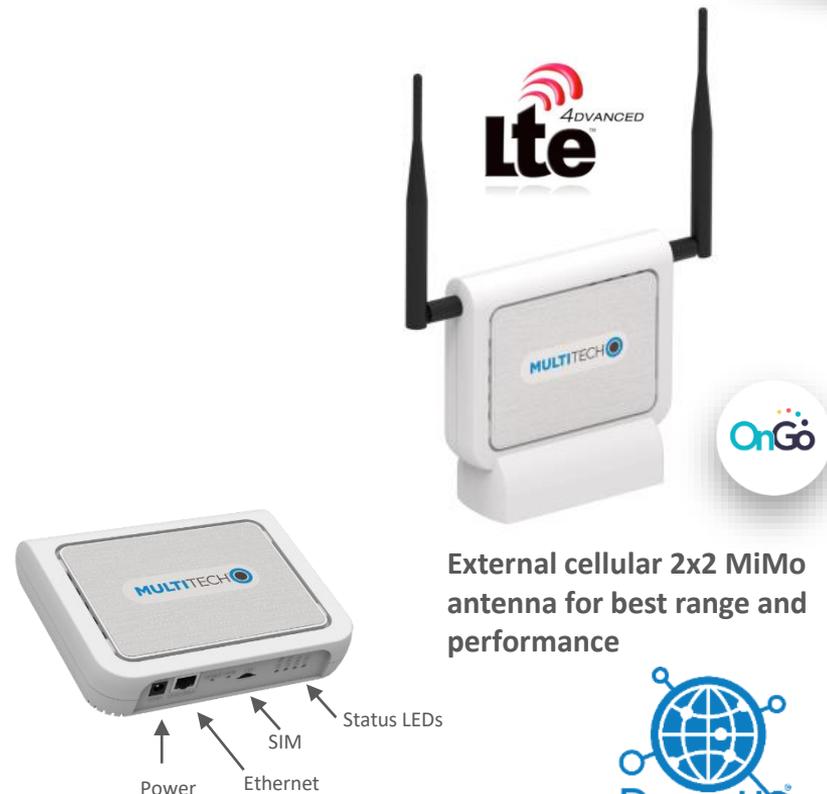
→ Launch Summer 21



# CBRS Wi-Fi Access Point for 2021/22 school year



	Specifications
<b>MSRP</b>	USD 249 MSRP
<b>Packaging</b>	Power Supply, Cellular Antenna, Set-up guide
<b>Cellular</b>	LTE Cat6 Bands 42, 43, 48 (CBRS) External 2x2 MIMO Antennas (SMA connectors)
<b>SIM</b>	3FF Micro SIM (end panel or cover access from bottom of chassis)
<b>WiFi</b>	2.4 GHz 802.11bgn 2x2 Wi-Fi MIMO 16 simultaneous clients (up-to) Internal Wi-Fi antennas (2)
<b>Security</b>	WEP, WPA, WPA2, WPA-PSK, WPA2-PSK
<b>Operating Temperature</b>	-10° to +50°C
<b>Power</b>	2.5mm DC power connector
<b>Chassis</b>	Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.4 (3) kg (lb) Chassis Type PC-ABS (polycarbonate-ABS)
<b>Ethernet</b>	RJ45 Ethernet jack (10/100 port)
<b>Management</b>	DeviceHQ, TR-069
<b>Warranty</b>	5-Year
<b>Support</b>	Tier 2 Support (Support Portal)



# FCC Authorized CBRS Devices

## Ethernet Bridge



**MultiConnect®  
eCell**

**MSRP \$329:**

- Speed to Market
- Simple Ethernet Plug and play
- LTE Category 12 - MiMo 2x2
- 10/100 Mbps, Auto MDI/MDIX
- Mini-SIM 2FF Push-Push SIM Slot
- Power: 12VDC Reset push button
- DeviceHQ remote management

## Industrial Routers



**MultiConnect®  
rCell 600 series**

**MSRP \$649:**

- Built in Wi-Fi AP 128 users
- Secure routing to data center
- LTE Cat 12 - MiMo 2x2
- 4 \* Eth 10/100/1000, W-Fi, Serial, GPIO
- NAT/Routing/IPv6 IPSec, OpenVPN,
- Dual SIM and Power 12-48V DC
- DeviceHQ remote management

## USB Dongle



**MultiConnect®  
microCell**

**MSRP \$199**

- Compact & Rugged
- Long stable lifecycle
- LTE Cat 6, MiMo 2x2
- USB 2.0, 480 Mbps + power
- Integrated TCP/IP + UDP/IP stacks + SSL/TLS

# MultiConnect<sup>®</sup> microCell

## CBRS USB Modem

### MTCM2-L6G1-B03-KIT Features:

- 4G LTE Cat 6: 300 Mbps / DL 50 Mbps UL
  - TDD-LTE Bands 42, 43 & 48-CBRS
  - DL: 2xCA 20 MHz 64QAM
- Compact Ruggedized Aluminum chassis
- 2 external SMA antenna connectors
- USB 2.0 Type A connector high speed up to 480Mbps + power source
- Micro SIM 3FF
- Plug and Play Interface: Chromebook, Windows 10, Linux & Apple iOS
- FCC Part 15 & Part 96 authorized end-user device for band 48-CBRS OnGo Networks



<https://www.multitech.com/models/92504420LF>

# MultiConnect® eCell

## Industrial CBRS to Ethernet Bridge

### Educational Apps:

- Remote Learning
- Campus Buildings
- Video Surveillance
- Wi-Fi Backhaul



**LTE** LTE Cat 12  
600 Mbps

**OnGo**



**DeviceHQ** Remote Device Management

Gigabit Ethernet

9-32Vdc

-30 to 70C



[www.multitech.com/models/92507163LF](http://www.multitech.com/models/92507163LF)

# MultiConnect<sup>®</sup> rCell 600 Series

## CBRS Multi-Interface Wi-Fi Router

### Ideal for:

- Vehicle mobile Wi-Fi hotspot
- Multiple Video Surveillance Cameras
- Control systems



**LTE**  LTE Cat 12  
600 Mbps

 Dual SIM

 GPIO Serial  
RS232/485  
MODBUS



 Remote  
Device  
Management

 Secure VPN –  
up to 16  
concurrent tunnels

 4 x Gigabit  
Ethernet

 Dual Power  
12-48Vdc

 -30 to 70C

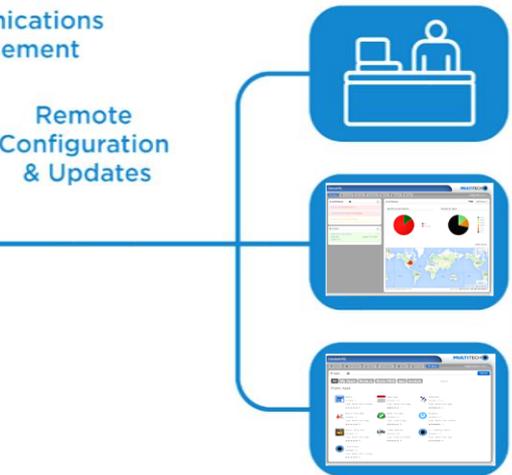
[www.multitech.com/models/92507338LF](http://www.multitech.com/models/92507338LF)

# DeviceHQ<sup>®</sup> - Secure Scalability

## Multiple Remote Devices



## Application Store & Remote Device Management



# pLTE Applications





Unlocking the potential of  
the Internet of Things

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Thank You