



Unlocking the potential of
the Internet of Things

Private LTE CBRS Connectivity Solutions for Education

June 2021

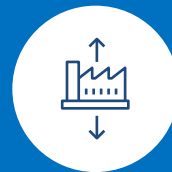
OUR VISION

To encounter MultiTech innovations everywhere – making life and work better for all.

OUR MISSION

To enable business transformation by solving problems with the courage to innovate previously unimaginable solutions; focusing on customer needs and user experience, while empowering our team to excel and grow.

OUR GOALS



Vertical
industry
solutions



Product
& service
expansion



Geographic
extension



First-mover
advantage

INNOVATIVE COMMUNICATIONS FOR THE INDUSTRIAL IOT

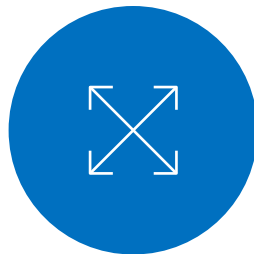


Design

Develop

Manufacture

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



50

years of
experience

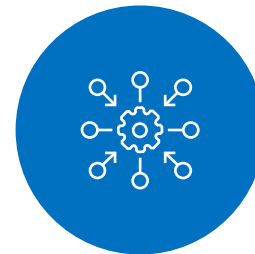
US Based Corporation
with **Manufacturing HQ**
in Minneapolis, MN



25

million
devices
worldwide

Bespoke solutions
across multiple
high-growth industries



80

patents
awarded

E-Rate funding to support **off-campus broadband internet access** to address remote learning and the homework gap through the Emergency Connectivity Fund “ECF”

What is the American Rescue Plan Act of 2021:

President Biden has signed the \$1.9 trillion American Rescue Plan Act of 2021 that includes an Emergency Connectivity Fund (Sec. 7402) to provide over \$7 billion in additional E-rate funding.

What will it Cover:

The program is expected to fund purchases of eligible equipment and/or advanced telecommunications and information services for students, school staff, and library patrons at locations other than the schools or libraries, **i.e., off-campus**. Eligible equipment is defined to mean:

- Wi-Fi hotspots defined as devices utilizing the standard 802.11 (or successor) networking protocol. Arguably, these could be individual single-user hotspots or multi-user community hotspots.
- Modems and/or routers.
- Connected devices (laptops, tablets, or similar end-user devices).

We would expect that the FCC’s ECF program regulations will include more details in the form of an ECF eligible services list. The details are targeted for release on or around the beginning of May, 2021. They will then be given a brief window (possibly 30 days) to file their application for funds. For detailed information click in the link below:

This update is from the E-Rate Central Weekly Newsletter, which can be found and subscribed to at this link: <https://www.usac.org/e-rate/resources/news-brief/>

Call to Action:

Now is the time to engage with your VAR's in the education sector, to share the equipment we can provide for off-campus connectivity.

It is also anticipated that funding will include approvals for school bus connectivity and library owned book mobiles.

This deck includes our portfolio of devices for school districts moving to a CBRS – Private LTE Network



Off-Campus Student Connectivity

Private LTE CBRS Product Portfolio

3GPP LTE Band 42,43,48-CBRS Devices



Ethernet
Bridge

MultiConnect® eCell

Good for:

- 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**

Good for:

- Secure routing to data center
- For assets without secure connectivity, i.e. SCADA
 - 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

Good for:

- 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® eCell

Industrial CBRS to Ethernet Bridge

Educational Apps:

- Digital Signage & Point of Sale Terminals
- Assets inside Buildings
- Video Surveillance
- Private LTE Backhaul for Wi-Fi APs



LTE Cat 12
600 Mbps



OnGo



MSRP
\$329



Remote
Device
Management



Gigabit
Ethernet



9-32VDC



-30° to 70°C



Learn more @



www.multitech.com/models/92507163LF

MultiConnect[®] rCell 600 Series

CBRS Multi-interface Wi-Fi Industrial Router

Ideal for:

- Vehicle Mobile Wi-Fi Hotspot
- Campus and Community Wi-Fi Hotspot
- Wi-Fi in Buildings & Facilities
- Multiple Video Surveillance Cameras
- Monitor & Control Assets Remotely

LTE  LTE Cat 12
600 Mbps

  Dual SIM

 GPIO Serial
RS232/485
MODBUS



MSRP
\$649

OnGo



128 Simultaneous
Wi-Fi Connections



Remote
Device
Management



Secure VPN –
up to 16 concurrent
tunnels



4 x Gigabit
Ethernet



Dual Power
12-48VDC



-30° to 70°C

MultiConnect[®] microCell 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 Virtual CDC Ethernet Interface(Windows 10, Linux, Apple iOS)
- FCC Part 15 & Part 96 authorized end-user device for band 48-CBRS OnGo Networks



MSRP
\$199

Education Enhanced with OnGo

- Classroom Modernization
- Enhanced Security
- Extended Wireless Coverage
- Remote Learning
- Connected Chromebooks
- Connected Buses
- Transportation Tracking



Student Distance Learning



MultiConnect® rCell 600
Wi-Fi Multi-Port Router



MultiConnect® microCell
USB CBRS Modem



CBRS Wi-Fi Access Point
Integrated Wi-Fi Access Point



MultiConnect® eCell
Ethernet CBRS Bridge



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 and 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
 - Traceability of parts down to the component level



Why MultiTech?

- Our industrial devices with external antennas have twice the range of any consumer device. More range = \$\$\$ saved on network density.
- We back everything with first-class customer support and a standard 2-year warranty.
- We've been doing this for 50 years. If you include our products in your bid, your brand is protected.
- No recurring charges for device management platform. It's necessary: we give it to you.
- Once the school's network is in place, our broad portfolio of devices will help you connect all of their assets for years to come.



Digital Resources

Learn More about CBRS OnGo /Private LTE

<https://www.multitech.com/technology/private-lte>

MultiTech Corporate Brochure

https://www.multitech.com/documents/publications/brochures/MT_Brochure_Corporate_50th_2020-01.pdf

MultiTech Private LTE Brochure

https://www.multitech.com/documents/publications/brochures/MT_Flyer_Private_LTE_2020-09-18.pdf



Unlocking the potential of
the Internet of Things

Thank You

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