



**C2 Integration LLC**

Authorized Agent

# RUCS

**PATENT  
PENDING**

Made in  
the U.S.A.

## Remote Universal Communication System

### Compatible with any Wi-Fi Device

Any modern Wi-Fi capable device can connect to the RUCS and through the RUCS to the Internet and the World.

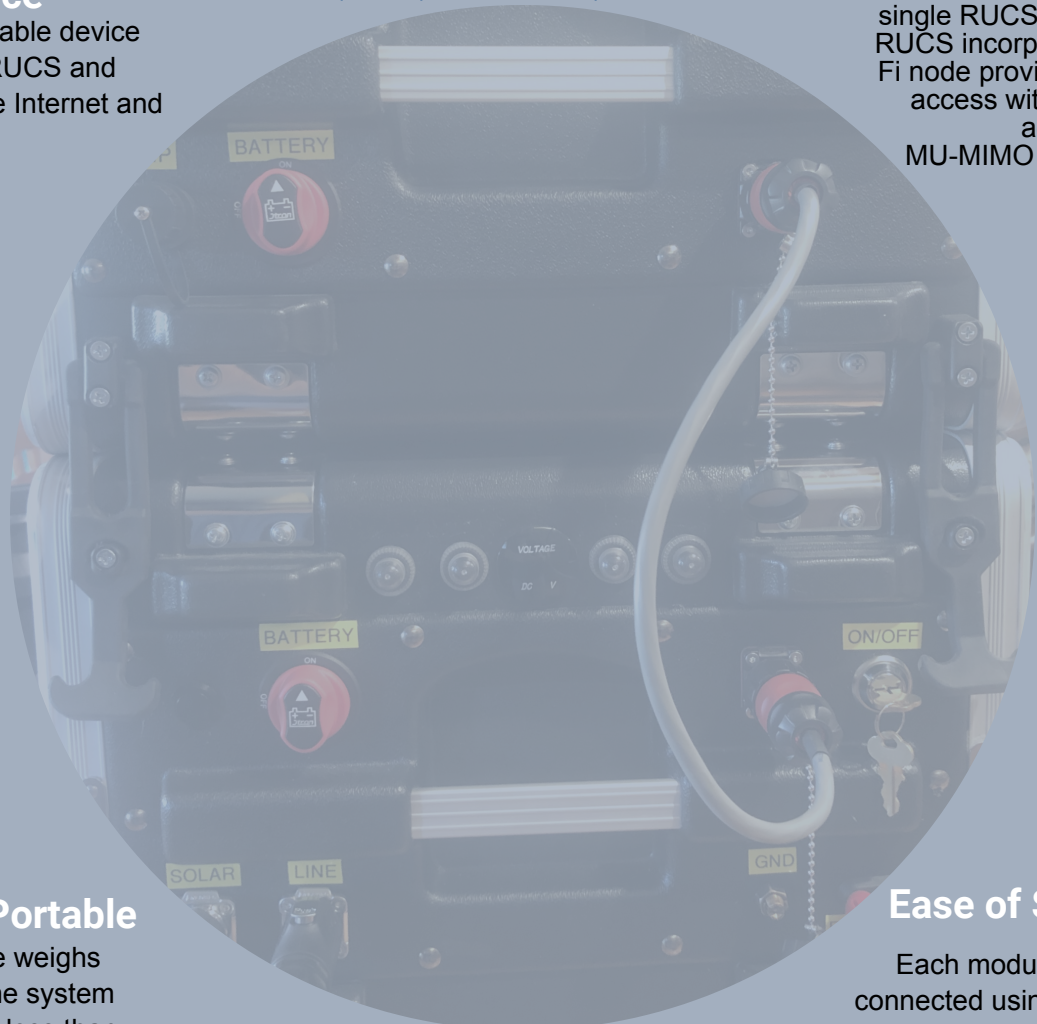
### Internet Connectivity

The RUCS system extends Internet Communications to remote user locations upon base station connection to Fiber Data Feeds, Cellular systems, Wireless Broadband, and Satellite Services (Ku, KA, and L Bands with parabolic or flat panel self-acquiring antennas).

*\*Requires separate ISP subscription service*

### Secure & Scalable

250 simultaneous Wi-Fi connections per Node. Multiple Nodes can be connected to a single RUCS base station. Every RUCS incorporates 802.11ax Wi-Fi node providing 300m radius of access with Blockchain and advanced MU-MIMO Wave 2 protocols.



### Lightweight & Portable

Each RUCS module weighs approx. 50 lbs and the system can be operational in less than 10 minutes.\*

### Flexible Power Sourcing

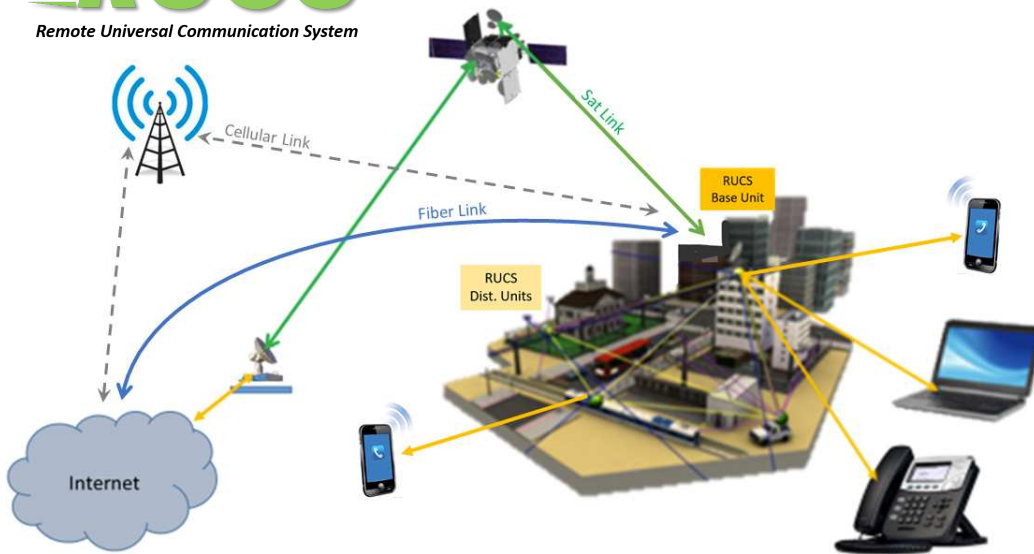
The RUCS power module accepts electricity from any available generation source and normalizes provided power to 24vDC. Internal batteries provide redundancy and bridging power capabilities when primary sources are disrupted or changed.

### Ease of Setup & Use

Each module of the RUCS is connected using unique cables and plugs, making it impossible to connect the modules together incorrectly.



Remote Universal Communication System



Users/Devices per Node

250



Access Point range:

300m



Unit to Unit range:

5KM+



Point to Point radio range:

66KM+



## Communications over Fiber, Cellular and Satellite Services

# TECHNICAL SPECIFICATIONS

### Connectivity

- Environmentally Hardened Industrial Router
- User Manageable Network Security Appliance
- RJ-45 xx IEEE 802.3 10/100/1000 Gigabit Ethernet
- 1G Network Plane
- High Power WIFI
  - Mu-MIMI – Wave 2
  - RJ-45 X IEEE 802.3AF with Passive POW (24vdc)
- Up-Link Connection Options
  - Ka or Ku Band Satellite
  - Wired WAN/LAN
  - 5G Cellular (optional)

### Power

- External
  - 120/240 VAC
  - Portable Generator providing AC
  - 12/24/36 VDC Solar or Wind
  - Grounding Rod for Modules Provided
- Internal
  - Battery Backup for power smoothing and normalization
  - 5/12/24/48 VDC per equipment requirements

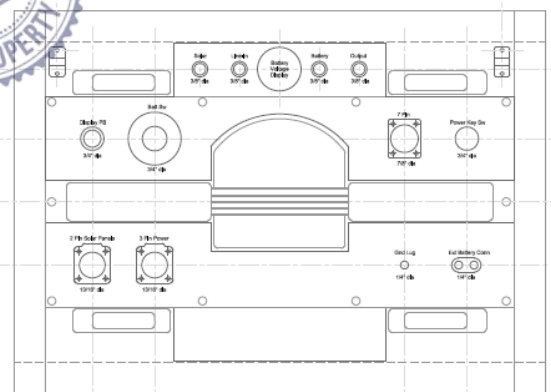
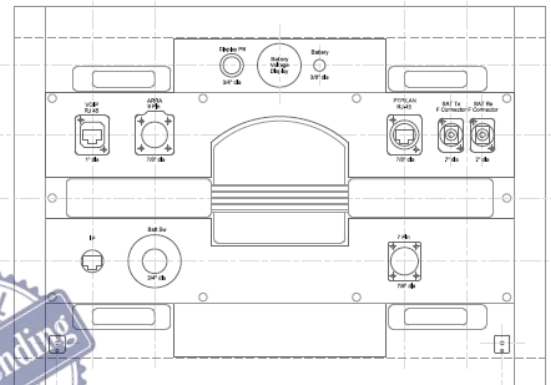
### Operational Parameters

- Module Dimensions 23\*25\*13in (58.4\*63.5\*33cm)
- Temperature Range -20C to +70C
- Operating Humidity Range 5 to 95% (non-condensing)
- Wind Survival of Distribution Module 140km/h

### Environmental Parameters

- Modules built in shock absorbing, weather resistant lockable cases
- Distribution Module Lightning Resistant
- (5000 amp surge tolerant IEC 61000-4-5)

### Network Module



### Power Module

