ANYWHERE INTERNET

REMOTE CONNECTIVITY

SCALING UP

SCALING OUT

COMMUNITY HUB

edgespark

secure / scalable / survivable

NETWORK EQUITY

SHARED VISION UNITED ACTION

Our relationship stands as a model of how community enterprises and advanced technology providers can collaborate to create lasting social, economic and technological change across diverse, remote locations

Partnering with Edge Spark® technology, represents a ground breaking alignment of community development and cutting-edge innovation. Together we bring a powerful combination of operational authority, professional and regional networks with a deep commitment to improving outcomes for under serviced communities. Edge Spark® enables state-of-the-art, military grade connectivity solutions designed for some of the world's most challenging environments

Together we create a unique platform that not only bridges the digital divide but does so with integrity, economic empowerment and long-term sustainability at its core. Edge Spark® technology enables immediate improvements in remote communications, telehealth, education and local enterprise, enabling us to ensure these deployments are delivered with cultural safety, local ownership and community benefit

DATA SECURE EASE OF ACCESS MOBILE OPTIONS

CONNECT™

Edge Spark® Connect™ makes LEO and 5G bonded connectivity fast and easy to deploy. Edge Spark® Connect™ integrates a Starlink terminal, 5G modem, enterprise grade router, and Wi-Fi access point inside a ruggedised, weatherproof enclosure.

Up to 250 devices can connect through one Edge Spark® Connect™ unit, but we recommend one unit per 100 people for equitable and fast internet access.

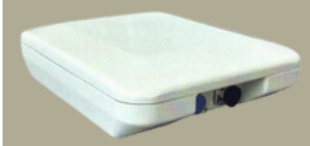
CONNECT LITE™

Portable connectivity for small teams.
ll Edge Spark® Connect™ models share a common technology core. Each model is optimised for the size, weight, and power constraints of different operating models and environments.

Lightweight connectivity
Network access to dispersed groups

CONNECT POD™

Enable on-the-move connectivity for any vehicle. Edge Spark® Connect Pod transforms any vehicle into an on the move communications node.
Powered directly from 12V or 24V vehicle source



Any vehicle as a node
Internet on the move

PORTABLE SOLAR GENERATOR™

Edge Spark® PSG Portable Solar Generator creates a source of battery power in the harshest environments on earth. Deployable and fully scalable, powers Edge Spark product off-grid with this modular, solar blanket powered generator

Deployable power source
Withstand harsh conditions

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NETWORK EQUITY

SECURE REMOTE NETWORK SOLUTIONS

Networks are what remote community members rely on
Edge Spark® networks provide access to day to day services, make connections and do so sustainably

Our collaborations provide reliable, secure, ease of use connectivity delivering culturally responsive and inclusive communication, access to health, education, creative outlets and commerce

This relationship delivers immediate value to communities, improving outcomes overnight and closes the digital divide for remote communities

COLLABORATE INNOVATE ELEVATE

When your communities development is at stake, choosing the right connectivity is crucial
Edge Spark® technology enhances connectivity so you can focus on what matters

Engineered for simplicity, get online within minutes
Fixed or mobile **Anywhere Internet** keeps you connected

SOLUTIONS

STRENGTHENING SYSTEMS EMPOWERING CARE

Enables secure Telehealth consultations, remote & diagnostics, Reducing patient transfer costs and improving outcomes

Secure Health Data encryption ensures the privacy & integrity of electronic medical records

Enables secure Telehealth consultations, remote & diagnostics, Reducing patient transfer costs and improving outcomes

EMPOWER THE PERSON TRANSFORM THE FUTURE

VOIP cost efficiency offers low cost, high quality calling which is critical for families, business and community leaders

LINKING PEOPLE BUILDING POTENTIAL

Delivering equitable access to Government & Social Services

Facilitates real time reporting, monitoring and coordination for health & aid agencies

Support for regional integration by ensuring access to high grade digital infrastructure

SUPPORT FOR E-COMMERCE & DIGITAL BANKING

Opens pathways to online learning, entrepreneurship, & service access. Improving personal agency & wellbeing

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NETWORK EQUITY

DESIGNED WITH COMMUNITIES IN MIND

Edge Spark® technology delivers transformative connectivity value to remote areas and communities, both immediately and for the long term
Right away, it provides secure, reliable internet access, enhancing healthcare delivery through telemedicine, supporting local schools with online learning, and boosting small businesses by opening access to digital marketplaces
It strengthens communication in emergencies, connects families across distances, and provides a lifeline for critical services

Over time, Edge Spark® becomes a foundation for sustainable growth
It empowers communities with digital inclusion, reducing isolation and creating pathways for education, employment and innovation
Anywhere Internet enables local enterprises to expand, encourages investment and supports the development of resilient local economies
As communities grow more connected, they can better access government services, participate in broader networks and advocate for their needs

Edge Spark® is more than technology
It's a tool for unlocking the full social and economic potential of remote communities

WANT TO KNOW MORE?

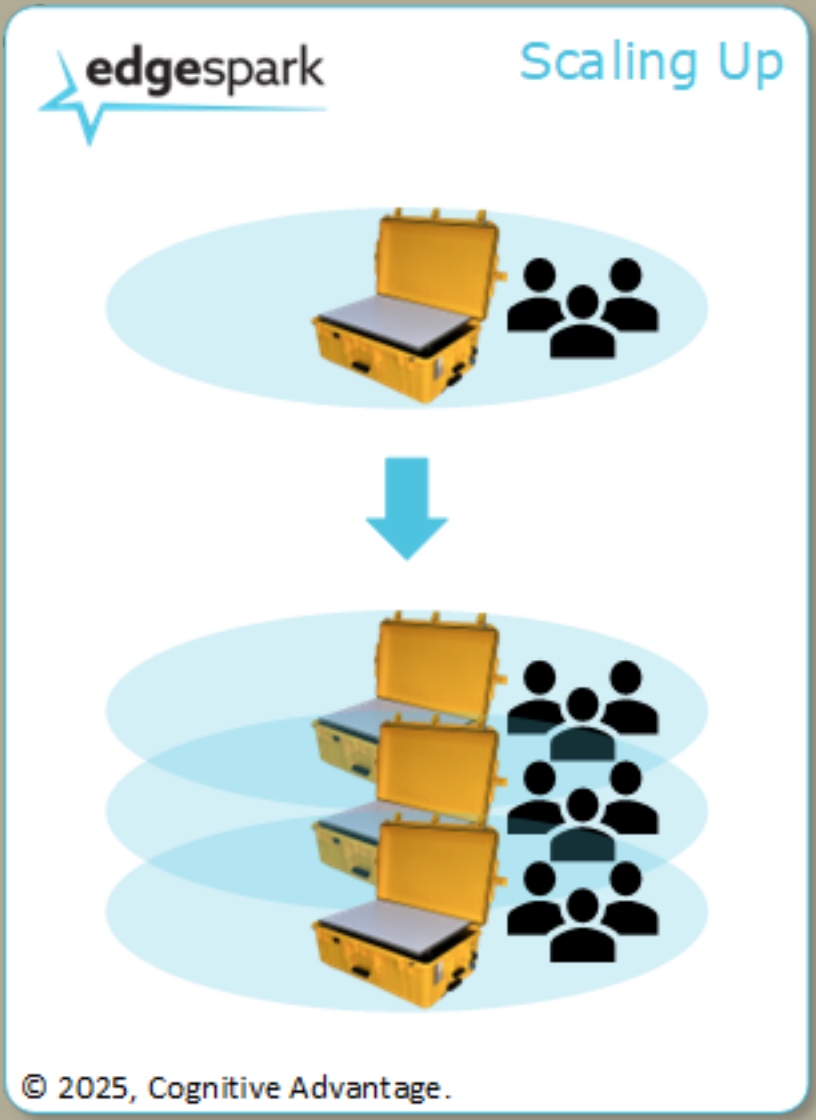
CONNECT@FAIRCOMMUNITIES.ORG

WWW.FAIRCOMMUNITIES.ORG

SCALING UP

Up to 250 devices can connect through one Edge Spark® Connect™ unit, but we recommend one unit per 100 people for equitable and fast internet access. Adding more units increases the total system capacity.

For example, to provide connectivity to 300 people, you could simply co-locate three Edge Spark® Connect™ units



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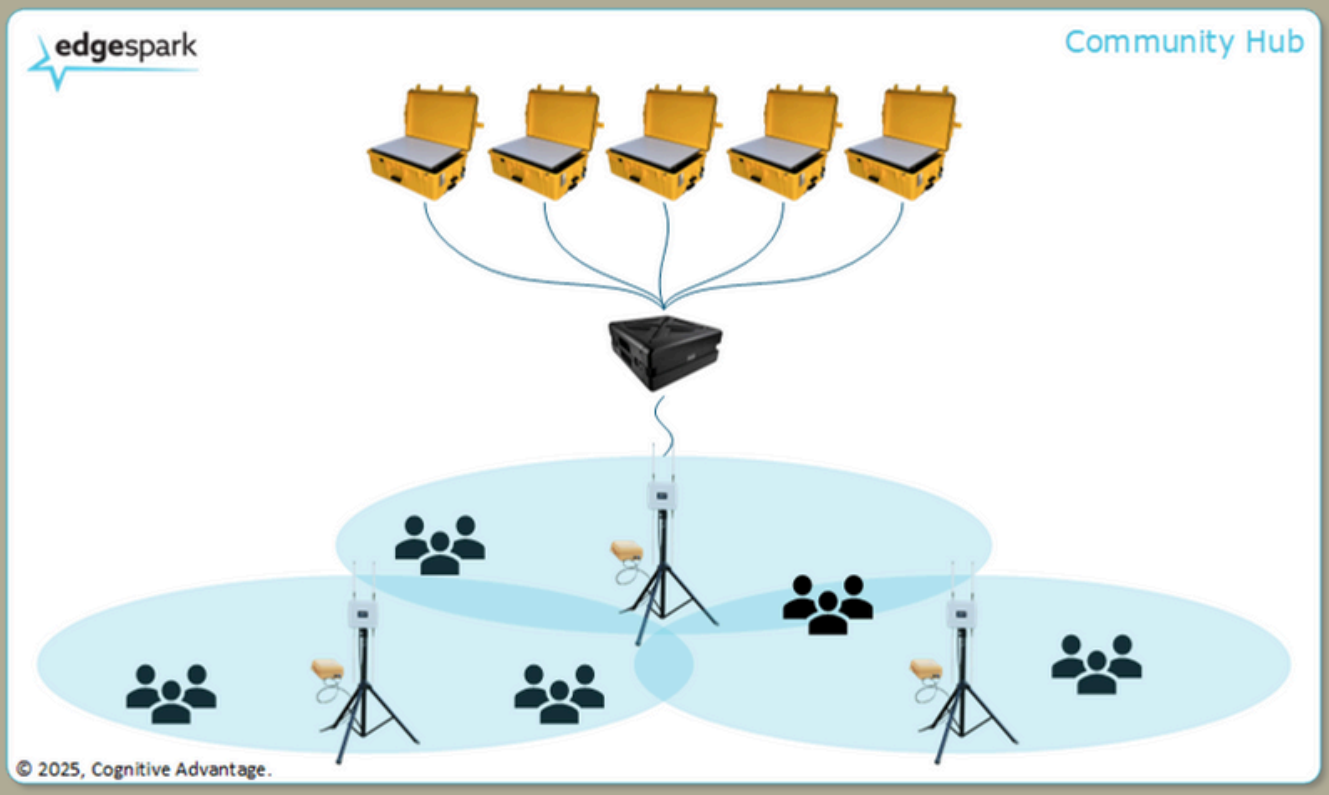
NETWORK EQUITY

SCALING OUT

Many factors affect Wi-Fi range, but we typically see devices successfully connecting to an Edge Spark® Connect™ unit at up to 60 metres range, and to an Edge Spark® Reach™ unit at up to 600 metres range. Combining Edge Spark® Connect™ with one or more Edge Spark® Reach™ units increases the total system coverage.

For example, to provide connectivity to 100 people in a one hectare area, you can simply co-locate one Edge Spark® Connect™ unit and one Edge Spark® Reach™ unit. If those 100 people then spread out around a three hectare area, you could add two more Edge Spark® Reach™ units in a wireless mesh network to expand the coverage area.



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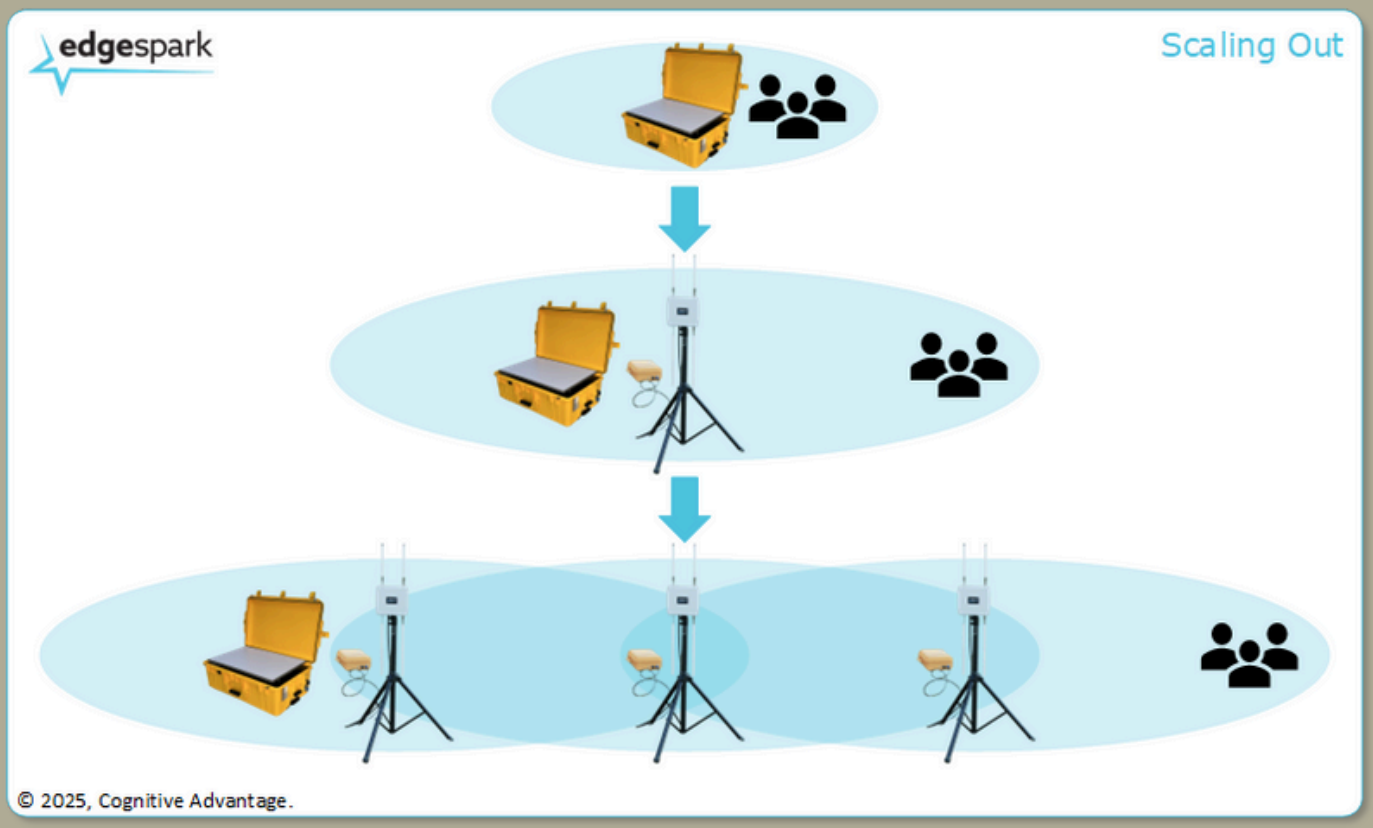
NETWORK EQUITY

COMMUNITY HUB

The innovative Edge Spark® architecture allows you to rapidly scale up and out your network by simply adding extra units when needed. The network will dynamically load balance connections across multiple Edge Spark® Connect™ units to support ad hoc deployments. However, there are unavoidable performance limits to ad hoc networks, so we recommend adding Edge Spark® Hub™ for community-scale deployments. This unit acts as the on-site system 'brain' that controls multiple Edge Spark® Connect™ and Edge Spark® Reach™ units to optimise community internet access, especially as people flow around town at different times.

For example, to provide connectivity to 500 people moving around a three hectare area, the ideal solution is five Edge Spark® Connect™ units co-located with an Edge Spark® Hub™ and Edge Spark® Reach™, with another two Edge Spark® Reach™ units deployed around town in a wireless mesh network.



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