

Partner With Red Hook WIFI

A project of the Red Hook Initiative

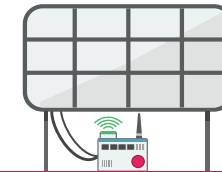


Overview

Red Hook WIFI was launched by Red Hook Initiative as a resilient community WIFI network that provides businesses and residents with reliable broadband Internet access. The use of renewable energy backup systems means that it stays up during emergencies.

Partnering businesses receive technical support and the opportunities to advertise on the network's website, along with wireless connectivity. Residents receive the broadband service at no cost and get resources such as local job postings, event announcements and news.

The network is installed and maintained by graduates of Red Hook Initiative's Digital Stewards program, in partnership with local Internet providers. Red Hook WIFI is a community effort supported by businesses, organizations, residents and visitors. Our resilient network strengthens the community and fosters connections both in-person and online.



Resilient Internet Gateway:

Weight: 180-240 lbs. **Speed:** 100up/100 down MB

Power Consumption:

Resilient Internet Gateways are equipped with solar panels and backup batteries eliminating electricity costs and ensuring continuity in the event of power outages.

Installation Partners

The expansion of Red Hook WIFI through small business partners is enabled by a grant from the **New York City Economic Development Corporation** (NYCEDC).

T4D Laboratory is a mobile engineering, research and development lab specialized in prototyping, field-testing and producing sustainable technological solutions to humanitarian, environmental and social challenges worldwide. T4D Lab has designed and deployed projects for large international organizations, universities and research groups as well as NGOs, private companies, individual inventors and innovators across the globe.

Sky-Packets offers WIFI solutions for business districts, pedestrian malls, parks, Main Streets, and more. Sky-Packets currently operates the public networks in Bryant Park, Harlem, Chelsea, and downtown Brooklyn.

Born in Red Hook in 2011, **Brooklyn Fiber** has been providing high speed Internet service to its customers which is faster, less expensive and more reliable than the entrenched ISP's. Brooklyn Fiber has been the exclusive Internet service provider for Red Hook WiFi since 2012 and will continue to expand its footprint throughout New York City as its only independently grown ISP.

Access Point:

Weight: 9.9oz **Speed:** 25up/25 down MB

Power Consumption:

12 watts per device, approximately \$10 per year.



Benefits

Red Hook WIFI is good for Red Hook's businesses

- Free WIFI equipment, service and maintenance for 2 years
- Marketing opportunities on the network's splash page
- Business resources distributed through Red Hook WIFI B2B network
- Separate, secure connections for Resilient Gateway partners
- Access to environmental sensing data, pedestrian counts and traffic flow

Red Hook WIFI is good for Red Hook's resiliency

- Designed to work in a emergency situation with multiple layers of redundancy
- Solar panel systems for 24/7 connections, even in the case of a power outage
- Functional as local bulletin board, even without Internet connection
- Mesh network design that limits single points of failure
- Maintained by local residents, meaning faster response times

Red Hook WIFI builds Red Hook's community

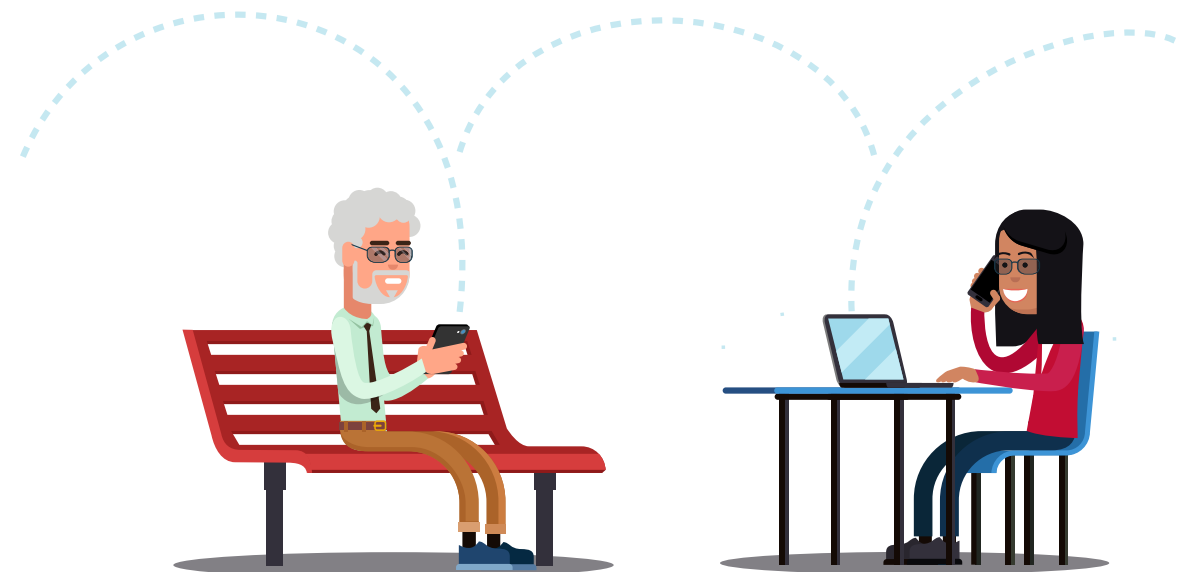
- Pathways to job training and opportunities for local residents
- Space for leaders to organize, share information, and connect
- In a neighborhood where broadband adoption rates are lower than the city average, free service means narrowing the digital divide

Registration Information

To qualify, Small Business Owners must:

- Be the principal owner of the small business.
- Complete the NYCEDC's online application.
- Provide tax documentation to show small business status.
- Provide documentation to show the business has experienced loss, damage or interruption following Hurricane Sandy.

Some sites may require rooftop installation.
Landlord approval will be required in these cases.



Partner With Red Hook WIFI

Red Hook Initiative launched Red Hook WIFI in 2012. RHI believes that social change to overcome systemic inequities begins with empowered youth. In partnership with community adults, we nurture young people in Red Hook to be inspired, resilient, and healthy, and to envision themselves as co-creators of their lives, community and society.

For more information please contact:

redhookwifi@rhicenter.org
(718) 858-6782

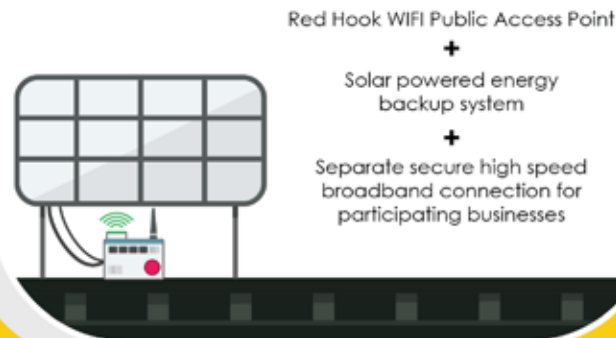
Also visit:

redhookwifi.org
rhicenter.org





Resilient Internet Gateway:



Access Points:



Frequently Asked Questions:

What is the installation process?

After registration is complete and permissions are granted installation will take from 2-4 hours. Installation is FREE and completed by community residents trained in network maintenance, employed by technology partners.

What will happen in the event of a power outage?

In the event of a power outage, the Red Hook WiFi network will shrink to the 15 Resilient Gateways distributed throughout Red Hook. As power is restored, other access points will rejoin the network, returning to full coverage. A local workforce will be at the ready to address connection issues at all times.

Is it secure?

Red Hook WiFi conforms to common privacy and security standards set by the NYC Department of Information Technology and Telecommunications. Users should use caution on public networks, and not share personal information while on a public network.

What documents can be used to demonstrate that a business/building experienced loss following Hurricane Sandy?

The NYCEDC accepts documentation such as insurance claim forms, photos of damage, and utility bills showing interruption of service.

Why are participating businesses asked to show tax documents?

Business tax documents will show annual income, which determines how a business can be classified as a "small business." Only small businesses based in New York qualify for these benefits. These rules were established as part of the grant-making process.

What happens if the equipment breaks or service is interrupted?

Graduates of RHI's Digital Stewards program, as employees of Sky-Packets, will provide technical support at no cost to the business owner.

How can you offer this service for free?

RHI is a winner of the NYCEDC's RISE competition. RISE:NYC is a Superstorm Sandy business recovery and resiliency program that helps small businesses adapt to and mitigate the impacts of climate change through the use of innovative technologies. These funds subsidize the network for two years once it is installed. During that time we will work with our community partners to determine a path toward long-term sustainability.

Who owns the equipment?

The equipment will belong to the registered small business or building owner.

