PLUM · CASE®

PLUM LABORATORIES, LLC®

PLUM LABORATORIES
CONNECTIVITY. ANYWHERE.

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About PLUM LABORATORIES

We are a firm dedicated to research and development of world class **portable connectivity devices**. And most importantly, we aim to assist organizations with **mission critical objectives** and **humanitarian efforts.**

CREATED BY EXPERTS

We are comprised of highly skilled, knowledgeable personnel with many years of practical experience.

Our team includes:
- Professor at Boston University's Graduate school of Computer Science
- National Science Foundation scholar in security
- An attorney

CONSTANLY INNOVATING

We spend at least 15% of our revenues in Research and Development. Approximately 5 new products are being introduced in 2018 alone.

FOCUSED ON SERVICE

An organization that prides itself on first-class, immediate service and strives for 100% customer satisfaction.

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What is a Plum Case, and **how does it work?**

A Plum Case is a portable broadband kit that provides reliable high-speed internet and voice communications to a large number of people in almost any location, with just the flip of a switch. The Plum Case is perfect for a business continuity and failover sollution, or to use as a remote connectivity device.

1 Virtually Unbreakable
with Military Grade Pelican Case

- Each Pelican case is ruggedized, waterproof, dust-proof, crushproof, and impact resistant
- Comes with conditional lifetime guarantee
- Latching system can be padlocked

2 Connect Anywhere
with High-Sensitivity Antennas

- Receives signal from extreme distances
- Works in very remote locations
- Molecularly bonded to the case to prevent breakage

3 Power for Days
with Lithium Power Bank

- Stays running for 1-5 days, depending on the model and battery options
- Allows devices to be charged by the case itself
- Additional solar panel and car charger can be purchased

4 High-Speed Internet
with Cradlepoint Gateway

- Uses innovative MU-MIMO for extremely fast internet unaffected by the number of simultaneous users
- Can be used with any cellular provider, even internationally
- Multiple cellular carriers can be used at the same time for load balancing and increased coverage area

IN A NUTSHELL

» Provides high-speed internet and voice communications to **any WiFi enabled device**

» Supports **up to 248 simultaneous users** without slowing down, depending on the model

» Can be used in **almost any location**, because the highly-sensitive antennas can receive cellular signal from extreme distances

» Extremely easy to use, **no training needed**

» **Protects sensitive data** using the most secure platform found in any mobile connectivity device

» Housed in a ruggedized case and is **completely portable**

» Has **41 approved patent claims** (U.S. Patent #96802008)

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A Solution For EVERY SCENARIO

Business Continuity

Internet connectivity is the backbone of modern business. So when the internet goes down, your business suffers. Whether it's the loss of potential customers or employee productivity, it is imperative that you have a business continuity plan to come back online. The Plum Case will keep you and your business protected from costly downtime during a failover by providing reliable, high-speed internet access that can support up to 256 simultaneous users. All without compromising data security.

1 Protect Revenue Streams

Downtime can be disasterous. Just a few minutes of downtime could mean lost revenue for your business. You will not only miss out on sales and business opportunities, but also have to manage to costs of recovery, supply chain disruptions, and employee overtime during catch-up.

2 Boost Customer Satisfaction

From retail to consulting and everything in between, customer satisfaction is the number one priority. And when networks go down, you aren't able to provide the same top-notch customer experience you always do. Everything comes to an abrubt halt: employees can't access inventory and information systems or even process credit card transactions. Slow, inneffective, and delayed service can cause irreparable damage to your brand image and customer loyalty.

3 Maintain Employee Productivity

During a network outage, employees will not be able to access the systems, data, and applications needed to work productively. You may miss important deadlines or fall behind schedule when your emplyees are unable to work efficiently.

A Solution For EVERY SCENARIO

The Plum Case is incredibly versatile. With its innovative technology and unique functionality, there are an infinite number of ways it can be used. Expand your organization's potential, and put the power of the Plum Case in your hands.

REMOTE CONNECTIVITY

Even in the most remote locations and disaster areas, the Plum Case provides reliable, high-speed internet and voice communication with the flip of a switch. Now you can bring your business anywhere, without worrying about costly infrastructure improvements or obsolete satellite communications. Take your remote work and temporary job sites and go as far as your imagination takes you.

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MOBILE TEAM ENABLEMENT

With the Plum Case, your organization will thrive inside, outside, and while it's on the move. Mobile teams are no longer bound by the restrictions that previously confined them to locations with public internet. The Plum Case provides a private network with the most advanced security platform available in a mobile connectivity device. Now mobile teams will always have access to data, systems, and communications. As a mobile team, you must always be able to access data, systems and communications. Expand your mobile capabilities with the Plum Case.

EVENT MANAGEMENT

If you are an organization that runs events, conferences or training sessions, the Plum Case will give you the control you need to ensure the event will go smoothly. You will no longer have to depend on unreliable, costly internet supplied by the venue. With the Plum Case's advanced technology you can easily bring your networks with you.

PORTABLE. RELIABLE. AFFORDABLE. SECURE.

The Plum Case was designed **to save lives.**

Imagine: It's 3am. A police officer spots a swerving car. Turning on his lights, he pulls the car over and tries to run the plates. It doesn't work. There's no signal. Alone, without a way to call for backup, and surrounded by so much uncertainty - the cop is now in a dangerous situation. Communication could mean life or death.

This was the inspiration behind the first Plum Case. From our materials to our technology, literally every detail of our design was built to be powerful enough to trust it with your life.

Since we build our solutions for life-threatening situations and critical missions, we created a new Plum Case that has the added functionality of interoperability. Teams need to be in constant contact with other agencies for aid, information, and to coordinate their response.

This technology supports communication across the different vital systems in emergency management, providing interoperability between smart phones, Ham radio operations, 800MHz, LMR and P25 radio systems. Now the Plum Case makes it easy to work with other agencies.

PLUM IN ACTION

Plum technology is already being used in countless mission-critical and emergency situations.

The Plum Case's ability to provide internet and voice communications in remote locations has had a huge impact in the response to many emergency situations.

During wildfires, for example, our Plum Cases were used by the South Carolina EMA, U.S. Forest Service, and the Ricky Little, Alabama EMA. The Pickens County EMA also utilized the remote connectivity capablities during a rescue mission.

We know our technology saves lives, so we have donated over a dozen Plum Cases to entities who can ill-afford critical communications equipment that helps others.

- The EMA for the Virgin Islands,
- Small volunteer fire departments,
- Major U.S. catastrophes' responders,
- International refugee situations,
- Impoverished cities and counties,
- Volunteer & non-profit health organizations,
- Support in Africa for cellular mapping,
- Support in France for refugee camp

While Plum has limited resources, kindness and humanitarian values are a part of Plum's culture. *The first Plum Case ever produced was donated.*

Over 300 cases sent to FEMA, the U.S. Coast Guard, and VA hospitals during the 2017 hurricanes.

QUICKLY DEPLOY, MANAGE, AND MONITOR YOUR NETWORK

with Cradlepont NetCloud Manager

"Rapidly deploy and dynamically manage networks at geographically distributed locations with NetCloud Manager, Cradlepoint's network management service within the Cradlepoint NetCloud platform. Improve productivity, reduce costs, and enhance the intelligence of your network and business operations."

Advanced Security

- Unified Threat Management security options
- Secure device registration and authentication
- Secure web filtering
- Up-to-date firmware
- Advanced VPN options

Real-Time Monitoring

- View individual device usage and statistics
- Map view of all deployed devices
- Analytics to measure data and application usage, performance, and costs

Remote Management

- Manage all devices without user intervention
- Generate reports
- Remotely edit configuration
- Remotely update software
- Set proactive network alerts

Photo and summary courtesy of Cradlepoint, Inc.

A FEW OF OUR HAPPY CUSTOMERS

Partial List

CURRENTLY IN TESTING

Partial List

All trademarks and logos belong to their respective organizations.

The Plum
PROFFESIONAL SERIES

The ultra-powerful, secure, and reliable Plum Case family of products can support a small team or an entire office with its cutting edge technology. Your organization will be able to not only survive, but thrive - regardless of connectivity disruptions, remote locations, or natural disasters. You can even mobilize teams using the portable Plum Case without compromising the safety and security of your organization's data. The Plum Case also comes complete with an Enterprise Cloud Management system to oversee and analyze network usage, giving you more control.

Expand your organization's capabilities. Protect against downtime. Ensure the security of your data. Use the Plum Case.

PLUM BASIC

Our "Basic" Is Extraordinary.

Our most basic model is still the best on the market, giving you high speed connectivity almost anywhere. This solution is perfect for small teams and remote work.

- 128 simultaneous users across 4 networks
- Lasts up to 2 days before recharging
- 2 MU-MIMO cellular antennas, 2 MU-MIMO wireless antennas, 1 GPS antenna
- 1 cellular carrier

PLUM EXTENDED

The Perfect Balance.

The Plum Extended™ is our most popular connectivity solution. Its coverage area is larger than the Plum Basic™ as it can utilize two cellular carriers, instead of just one. This solution is perfect for medium organizations for failover or remote connectivity.

- 128 simultaneous users across 4 networks
- Lasts up to 2 days before recharging
- 4 MU-MIMO cellular antennas, 2 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers

PLUM ENHANCED

Boosted Bandwidth.

The Plum Enhanced™ supports substantial bandwidth use, so that large organizations can use it as a business continuity or failover solution without affecting their workflow.

- 192 simultaneous users across 6 networks
- Lasts up to 16 hours before recharging
- 4 MU-MIMO cellular antennas, 6 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers

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PLUM ENTERPRISE

Plum Power. Revolutionized.

The Plum Enterprise™ is designed to provide high speed internet to an entire data center or large organization. It is extremely reliable and secure, making it perfect for your business continuity plan.

- 248 simultaneous users across 4 networks
- Lasts up to 16 hours before recharging
- 4 MU-MIMO cellular antennas, 4 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers

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PLUM EXTREME

Incorporating Interoperability.

The Plum Extreme™ was created for emergency management teams, because it supports interoperability between mission critical systems while providing high speed internet and voice communications even in remote and disaster areas.

- 128 simultaneous users across 4 networks
- Lasts up to 16 hours before recharging
- 4 MU-MIMO cellular antennas, 2 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers
- Raspberry Pi processor with 7" touch display with DSTAR/ DMR dual band hotspot interface

PLUM PAK

Freedom To Go Further.

Redesigned for teams on the move, the Plum Pak can come with the same power and capabilities as either the Plum Basic or Plum Extended; whatever suits your needs best. The innovative remote connectivity technology perfectly compliments the added functionality and portability of the Plum Pak Basic, so you can be ready for anything.

- 128 simultaneous users across 4 networks
- Lasts up to 2 days before recharging
- 2 or 4 MU-MIMO cellular antennas, 4 MU-MIMO wireless antennas, 1 or 2 GPS antennas
- 1 or 2 cellular carriers

PLUM ACCESSORIES

Expand Your Capabilities.

The Plum Accessories are designed for the Plum Cases and Plum Paks. It includes:

- 32,000mAh power bank with charger
- 60W high efficiency solar panel and charger
- Car or cigarette lighter charger
- Adaptors for iPhones, iPads, Android phones, and laptops which support 95% of all adaptor possibilities
- 5', 10' and 6' Cat 6 Ethernet cables
- 5-3 amp fuses

PLUM SAT II

Inmarsat Satellite Failover.

Packed with the technology of the most popular Plum Case, the SAT series now adds satellite for failover to reduce costs while ensuring you will always be able to connect in mission critical situations. Just adjust the tilt of the satellite to connect.

- 128 simultaneous users across 4 networks
- Lasts up to 2 days before recharging
- 4 MU-MIMO cellular antennas, 2 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers

PLUM SAT III

Iridium Certus Satellite Failover.

The SAT III also uses the cellular technology of the Plum Extended, while adding satellite failover. This satellite can be used while moving up to 300 miles per hour, while the SAT II must stay stationary.

- 128 simultaneous users across 4 networks
- Lasts up to 2 days before recharging
- 4 MU-MIMO cellular antennas, 2 MU-MIMO wireless antennas, 2 GPS antennas
- 2 cellular carriers

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