Cellular Failover

EVERYTHING YOU NEED TO KNOW ABOUT THIS CRITICAL BACKUP CONNECTION

YOUR MAIN CONNECTION SUDDENLY DROPS. WHAT DO YOU DO?

You could wait it out and hope that crews restore the line soon. But this usually takes hours or days (sometimes weeks). You could also roll a support truck and have your IT team improvise a temporary solution. This, too, is time consuming and expensive. And you don't have the luxury of waiting around.

Gartner estimates that downtime costs ~$300k per hour

You need a backup plan... A solution that:

1. Keeps you online even when your main connection goes out.
2. Is on-demand & ready to reconnect you when you need it most
3. Is easy to deploy and manage in order to keep business running.

You need a cellular gateway - You need cellular failover.

It's like an insurance policy for your connectivity. You can deploy it at your branch locations and remote sites in order to:

- Stay outage-proof
- Scale fast (even before your main line is installed)
- Manage your network from anywhere

OVERVIEW

What is Cellular Failover?
Cellular failover is a backup connection that keeps your network online when outages or disruptions occur. When your primary link becomes offline, your failover device (cellular gateway) automatically connects you to your cellular provider's 3G, 4G, or 5G network.

Why use Failover?
Even though you may have physical backup lines installed for redundancy (T1, T3, MPLS), these lines likely follow the same path as your main connection, which means they're also affected by main-line disruptions. Cellular failover gives you a wireless backup, with most carriers sporting 99.5% network reliability and higher. This keeps you online when all your physical connections fail.

INTERNET

CELLULAR
FAILOVER

PRIMARY
CONNECTION

BRANCH LOCATION

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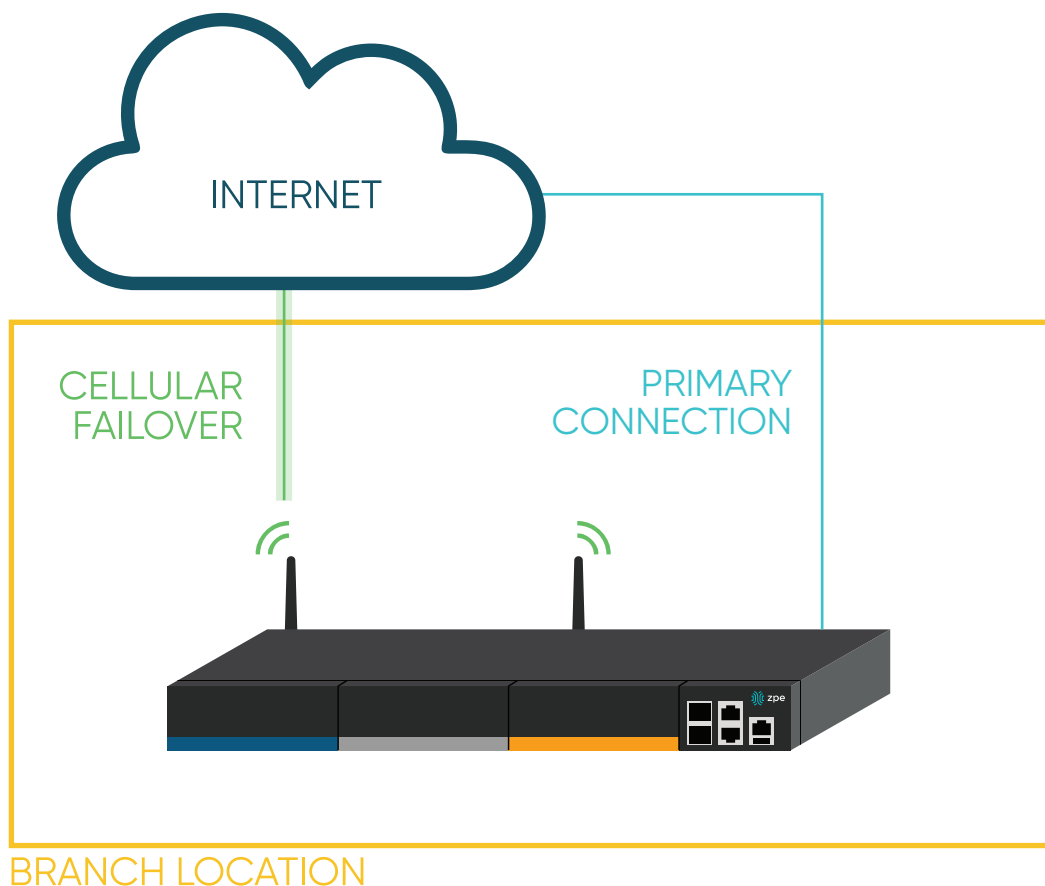
WHAT DOES FAILOVER DO FOR YOU?

Cellular failover safeguards your business from expensive disruptions, which cost an average of $300k per hour. It also helps you scale with astounding flexibility and agility, as you can set up branch/remote sites and get business going even before your main connection is installed. For your network support staff, failover also provides a secure out-of-band (OOB) management path, so they can monitor and control your network from anywhere.

Stay outage-proof
Having a strong network means diversifying the types of links that connect your infrastructure. It's like the proverbial 'eggs in one basket' message. If you rely wholly on one thing, you're taking a huge risk.

In this case, relying only on physical connections means you're setting yourself up for business disruptions. No matter how many underground backups you have installed, whether cable, DSL, fiber, T1, etc., they're inevitably going to experience outages due to environmental changes.

Construction crews might dig up all your backups
Accidents happen. Storms and natural disasters happen. And that's why a cellular failover connection is crucial to keeping business running. From minor interruptions, to catastrophic, last-mile outages, having cellular failover means these issues won't take you offline. Your revenue doesn't suffer, and neither does your reputation, because you can continue operating as usual until your main link is restored.

Scale fast
When you're in growth mode, you want to set up new locations fast and get business going — and quick. But you usually will have to wait while your primary physical connection is installed, which can take days or weeks.

Wouldn't you rather get going now?
Because cellular failover connects you via 3G, 4G, or 5G network, scaling is much more nimble. You can set up a branch location or remote site as quickly as you can install your devices. Connect your POS systems and other critical infrastructure, and get business started even before your physical connections are set up.

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Manage from anywhere

When network issues or outages occur, you've got to send support staff on-site. Once there, your IT teams are left to physically connect to devices for troubleshooting, maintenance, and management. This is time consuming and expensive, and bogs down your resources.

Cellular failover can be your secure OOB path

Your wireless backup not only keeps you connected during disruptions, but also can provide reliable out-of-band access. Instead of tying up your staff by sending them on-site, you can let them manage your networks and resolve issues — even from across the globe.

Tip: Nodegrid provides OOB via cellular failover, and gives you control of SD-WAN, routing, switching, security, power cycling, and more.

INTERNET

CELLULAR FAILOVER

SERVICE OUTAGE

SWITCH

PDU

UPS

BRANCH LOCATION
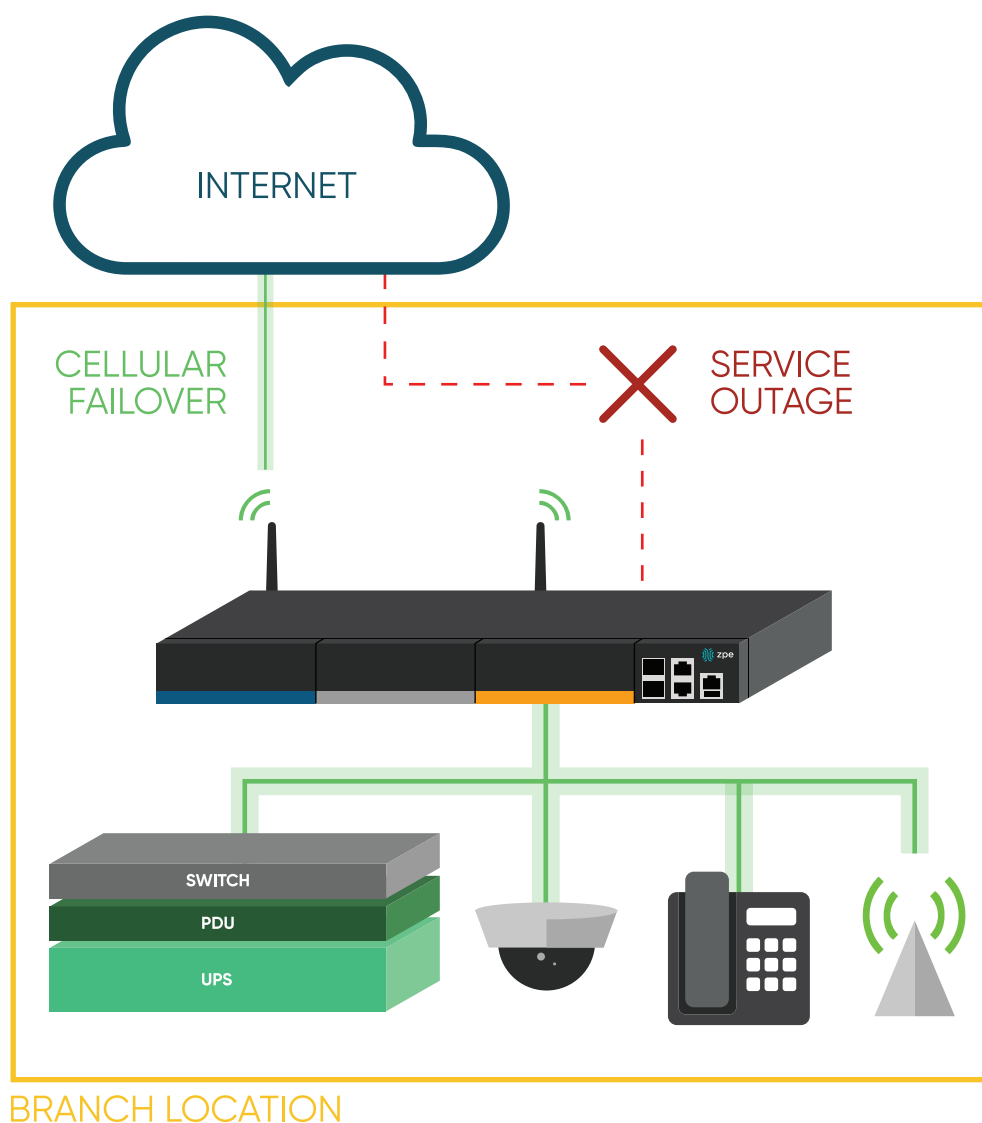
HOW DOES CELLULAR FAILOVER WORK?

Having the right failover devices can give you the peace of mind that comes with seamless backup connectivity. Here's how cellular failover works:

1. **Your failover device constantly checks for interruptions.**

2. **When your device detects a main-line failure, it automatically connects to the cellular network.**

3. **Your device routes all traffic over this cellular backup.**

4. **Once the main line is restored, your device automatically disconnects from cellular and reconnects to your primary link.**

You can adjust specific failover settings as well, such as idle check intervals, data usage limits & alerts, interface priorities, secure tunnels, firewall and more. This allows you to tailor your backup connection to your specific needs.

Tip: Nodegrid gives you backups for your backups, allowing for failover modules that support dual-SIM cellular backup, which means redundancy of tower & wireless carrier. Failover via Nodegrid is also supported by all major wireless providers.

Get the backup you need with Nodegrid

Don't go a day without the protection of cellular failover. Get in touch with our experts to discover how you can stay protected from expensive disruptions.

... And, don't forget to ask about ZPE Cloud for Branch Networks