

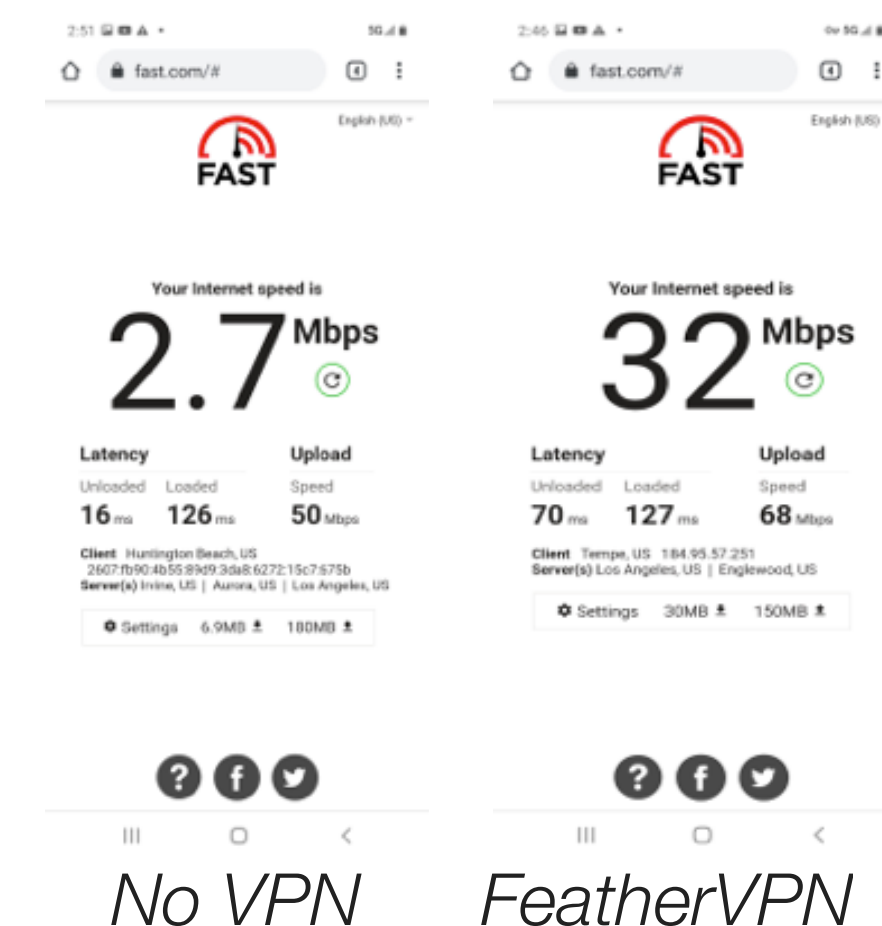
5 REASONS

Every Mobile Device Needs FeatherVPN™



The First and Only VPN that Won't Slow Your Mobile Device Down!

FeatherVPN is Lightweight and 5G-Ready, With Cutting-Edge Security, and Data Transmission Speeds Over 10x Faster Than Using no VPN at all.



1 Breakthrough Carrier-Grade Optimization Boosts Data Transmission Speeds for 5G, LTE and Wi-Fi Traffic by up to 10x or More – You'll Want FeatherVPN Just for the Performance!



FeatherVPN is the first and only VPN that doesn't sacrifice performance for security. With FeatherVPN, data transmission speeds for LTE, 5G and Wi-Fi traffic are typically 2x to more than 10x faster than using no VPN on your device at all. This is game-changing! In PC Magazine's list of The Best Android VPNs for 2020, (shown on page 2) every leading VPN tested slowed data transmission speeds significantly, just over 400% on average, or 3x slower than using no VPN. FeatherVPN achieves its impressive results by leveraging Badu Networks' patented breakthrough WarpEngine-X™ optimization technology for the backend aggregation service. WarpEngine-X uses a unique algorithmic approach that responds in real-time to dynamically changing network conditions to maximize throughput and speed up data transmission for all types of traffic – encrypted, unencrypted, and compressed. Each deployed WarpEngine-X instance scales to support throughput of over 1Tb/s, with 10 million concurrent sessions and over 50,000 new network sessions per second.

2 Cutting-Edge Security



FeatherVPN uses the latest ChaCha20 ciphers to encrypt your packet streams. It also employs TLSv1.3 with the most trusted ciphers so that our API and your data are fully protected. FeatherVPN's use of WarpEngine-X takes this cutting-edge security a step further, at the same time it improves performance. WarpEngine-X's unique algorithmic approach to network optimization doesn't require payload access, unlike other solutions that rely on techniques such as deduplication and compression. These techniques introduce encryption/decryption overhead at each endpoint, with the risk of exposing sensitive data. Now that over 80% of network traffic is encrypted, solutions that require payload access offer little value, often make performance worse, and dramatically increase security risk.

3 LinkRoaming and LinkBonding Combine to Deliver the Experience of Being on the Same Secure, Super-fast Network, Even When You're Constantly on the Move.



Wireless network environments are crowded with Wi-Fi hotspots, LTE and 5G dead zones, constant switching between LTE, 5G and Wi-Fi, and from one Wi-Fi network to another. FeatherVPN's LinkRoaming feature hides these transitions and eliminates packet loss and performance degradation as it optimizes bandwidth for all your available connections. With FeatherVPN, it's like always being on the same secure, super-fast network even when you're constantly on the move.

LinkBonding takes LinkRoaming a step further by aggregating available LTE/5G and Wi-Fi links to take advantage of their combined bandwidth for even greater throughput. This makes FeatherVPN ideal for MVNOs looking to optimize bandwidth usage and offload as much LTE/5G traffic as possible to Wi-Fi to reduce their MNO costs, improve service quality, and increase revenue.

4 Lowest Possible Mobile Device Battery Consumption



FeatherVPN is designed to only consume power when data is flowing, for the lowest possible battery use. In comparison tests against other VPNs, FeatherVPN demonstrated the lowest mobile device battery consumption – nearly 50% less than its closest competitor.

5 5G-Ready



5G's rollout will result in constant 5G to Wi-Fi transitions as in-building Wi-Fi becomes the fallback for blocked high-frequency short range 5G signals that can't penetrate building walls and energy efficient windows. Another important factor during the transition to 5G is that LTE will serve as the backup for 5G, just as 3G has for 4G, requiring frequent switching between them. In addition, 5G networks will require at least 10 times the number of cells due to shorter signal ranges and higher frequencies, making jitter caused by fading and RF interference an even greater factor. With FeatherVPN's next generation optimization, and LinkRoaming for seamless and secure transition between wireless networks, you'll be ready.

FeatherVPN Blows Away the Competition

The table below is from [PC Magazine's list of The Best Android VPNs for 2020](#).

It shows the increased latency and changes in upload and download speeds resulting from installing these leading VPNs on Android devices. The slowdowns shown in the 'Change in Latency' column ranged from 20% for market leading NordVPN, and 40% for ExpressVPN, to as much as 3550%, or 34.5x slower for TunnelBear VPN, with an average slowdown across all VPNs tested of just over 400%, or 3x slower than using no VPN.

	Change in Download Speed	Change in Upload Speed	Change in Latency
CyberGhost VPN	-76.6%	-80.0%	200%
ExpressVPN	-79.1%	-73.8%	40.0%
Golden Frog VyprVPN	-79.7%	-88.8%	400%
Hide My Ass VPN	-62.1%	-30.2%	50%
IPVanish VPN	-57.8%	-38.5%	50%
KeepSolid VPN Unlimited	-58.5%	-29.6%	125%
NordVPN	-48.7%	-22.6%	20%
Norton Secure VPN	-82.6%	-91.3%	1675%
Private Internet Access VPN	-70.9%	-52.3%	20%
ProtonVPN	-78.5%	-82.6%	150%
PureVPN	-69.0%	-57.5%	200%
Speedify VPN	-3.4%	-62.1%	60%
TorGuard VPN	-64.5%	-40.7%	50%
TunnelBear VPN	-95.4%	-79.4%	3550%
Turbo VPN	-67.2%	-55.2%	20%

**Top scores in red italics; Smaller change is better*

PC Magazine explains away these results by stating, "It's not surprising that re-routing your connection to other, perhaps distant servers can have a negative impact on your web browsing speed. Usually a VPN greatly increases your latency, and reduces the speed of downloads and uploads."

While any VPN will add latency for the reasons stated in the PC Magazine quote, by using WarpEngine-X for the backend aggregation service FeatherVPN overcomes these issues to blow away the competition.

Availability

FeatherVPN is currently available on the Google Play Store for Android devices only. An iOS version is in development and should be available in the Apple App Store by the end of Q1 2021.

FeatherVPN is also available as a white label OEM app that can be rebranded for MNOs and MVNOs wanting to optimize their 5G and LTE bandwidth usage and offload as much traffic as possible to Wi-Fi. An enterprise version of FeatherVPN is available for businesses of any size that want secure access and fast network performance for employees working from any location. This has become an even greater priority with the increase in remote work due to Covid-19.

