

RURAL INTERNET CONNECTION COMPARISON

Speed & Performance Matrix for Remote Locations

TECHNOLOGY	AVG. DOWNLOAD	AVG. UPLOAD	LATENCY (PING)	RELIABILITY
Fiber (Rural)	100 - 1000 Mbps	100 - 1000 Mbps	< 20ms	Excellent
Starlink (LEO)	50 - 200 Mbps	10 - 20 Mbps	25 - 50ms	Good
Fixed Wireless	25 - 100 Mbps	5 - 20 Mbps	30 - 60ms	Fair (Line of Sight)
4G/5G LTE Home	10 - 50 Mbps	2 - 10 Mbps	40 - 80ms	Variable
DSL	5 - 25 Mbps	1 - 3 Mbps	50 - 100ms	Stable / Slow
Satellite (Legacy)	12 - 25 Mbps	3 Mbps	600ms+	Poor (Weather)

Download Speed:

Time taken to receive data (Streaming, downloading files).

Latency:

The delay in data transfer (Crucial for gaming and video calls).

Reliability:

Uptime consistency and susceptibility to weather interference.

* Speeds are estimates and vary based on provider, hardware, and specific geographical obstacles.