

Fibre vs 4G, 5G, 5.5G

A cable in the ground, or a signal in the air?

Fibre

- A private road
- Yours alone
- Same at 9pm as 9am
- Upload matches download

Wireless

- A shared road
- Shared with the area
- Slower when busy
- Upload much smaller

Both can show 500 Mbps. Only one does it every evening.



The Short Answer

If fibre is available at your address, take fibre. Fixed wireless is the right answer in specific situations - and they are worth knowing.

Take wireless when:

- Fibre is not available at your unit
- You need connectivity today, not next month
- The tenancy is short or you expect to move
- It is a temporary site, event or pop-up
- As a SECOND line for failover - the strongest case of all

• Check which operator serves your exact unit first.

What The Names Mean

One piece of marketing worth decoding

4G / LTE

THE DEPENDABLE FLOOR

Mature, everywhere. Higher delay, modest upload.

5G

FASTER, MORE VARIABLE

Big capacity gain. Depends heavily on distance to the tower.

5.5G = 5G+

THE SAME TECHNOLOGY

e& calls it 5.5G. du calls it 5G+. Both are 5G-Advanced.

Comparing 5.5G with 5G+ is comparing the same thing twice.



What 5G-Advanced Added

An upgrade to 5G, not a new generation

What changed:

- More capable antenna arrays per site
- Better use of the available spectrum
- Improved uplink - which matters more than people think
- Lower latency
- du reported peak rates around 5.4 Gbps, averages up to a third better

Peak figures are lab conditions. The real gain is at the cell edge.

Speed Is The Least Useful Number

Four things decide how a connection feels

Fibre



low and steady - feels instant

Wireless



higher, and it wanders - feels laggy

The wobble is called jitter. It is what ruins calls and games, and a speed test barely reports it.

Same download speed. Completely different experience.



The Four That Matter

Compare these, not megabits:

1. Latency - how long a round trip takes
2. Jitter - how much that delay varies. This is what you feel.
3. Upload - fibre is near symmetrical, wireless upload is a fraction
4. Consistency at 9pm, when the whole building is streaming

And one hidden fifth:

- Can anything reach you from outside? Usually not, on wireless.

Only one of the five appears in the advertising.

Side By Side

Feature	Fibre	4G	5G	5.5G
Consistency	High	Fair	Varies	Better
Latency	Lowest	Highest	Low	Lower
Jitter	Very low	High	Moderate	Moderate
Upload	Strong	Weak	Moderate	Improved
Busy hour	Minimal	Noticeable	Noticeable	Less
Reachable	Ask for it	Usually no	Usually no	Usually no
Install	Days	Same day	Same day	Same day
Best role	Primary	Backup	No fibre	No fibre

Behaviour, not brochure figures.

Best For Gaming?

Fibre - but not for the reason you expect

An online match uses very little data, often under 100 kbps per player. A 1 Gbps plan and a 100 Mbps plan give IDENTICAL gameplay.

What actually decides a duel:

- Latency - how fast your input reaches the server
- Jitter - whether that stays the same second to second
- Upload - for voice chat, streaming and party hosting
- Not bandwidth. Never bandwidth.

The cheapest fibre tier beats the fastest wireless plan.

The Gamer Checklist

In order of impact

1. Cable the console or PC. One Ethernet run beats any plan upgrade.
2. Take fibre if it exists at your address. Any tier.
3. Ask about a dedicated public IP if you host parties or servers.
4. Prioritise the gaming device on a managed switch.
5. Measure ping and jitter, not download speed.

Buy speed for downloads. Buy fibre for ping.

What Will Not Help

Money spent for nothing

- Upgrading 500 Mbps to 1 Gbps to reduce lag
- A gaming router, when the jitter comes from the tower
- WiFi 7 gear while the console goes wireless through two walls
- Any plan change, if the game server is simply far away
- A faster plan to fix a room the WiFi never covered

A plan upgrade extends coverage by exactly zero metres.

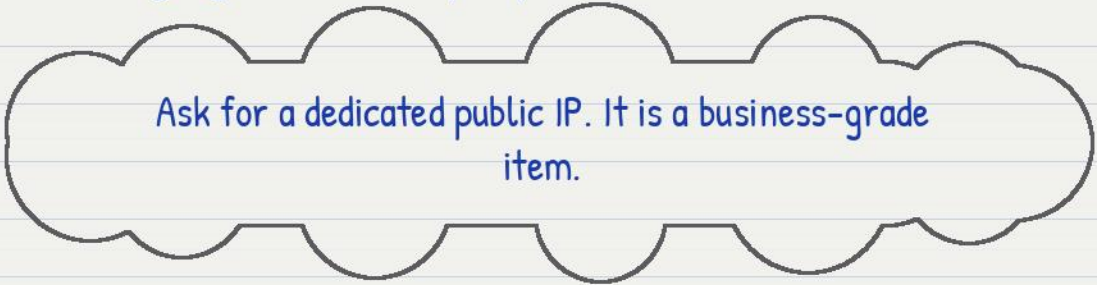
Can Anything Reach You?

The problem nobody mentions at signup

Wireless networks put many customers behind ONE shared public address.
There is no unique door pointing at your building.

What that breaks:

- Viewing cameras or an NVR from outside
- Remote desktop into the office
- A VPN back to the site
- Hosting a game server or party



Ask for a dedicated public IP. It is a business-grade item.

The Business Answer

Use both, deliberately

If an outage stops billing, bookings or operations, one excellent line is not the strongest setup.

The configuration:

- Fibre as the primary connection
- A 5G line as automatic failover
- Ideally from the OTHER operator
- A firewall with dual-WAN switches between them automatically
- Usually before staff notice anything at all

The backup line's weaknesses do not matter a few hours a year.

Before You Sign

Five questions

1. What is the commitment, and the early termination charge?
2. What does the price become after the promotion ends?
3. Do I need business terms - a dedicated IP and a response SLA?
4. May I use my own router, and will faults still be supported?
5. For wireless: what are the relocation terms?

Subsidised routers and TV boxes are recovered
pro-rata on exit.

Quick Revision

Fibre is a private road, wireless is a shared one

Take fibre if it exists at your address

5.5G and 5G+ are the same thing: 5G-Advanced

Advertised speeds are quoted over Ethernet, not WiFi

Latency and jitter matter more than megabits

Jitter is what ruins calls and games

Wireless upload is a fraction of its download

Gaming uses under 100 kbps per player

Cheapest fibre beats fastest wireless for ping

Wireless shares a public address - nothing reaches in

Fibre primary plus 5G failover is the business answer

Check which operator serves your exact unit FIRST

Choose by consistency, not by the biggest number.

We do not sell internet lines.

So we have no reason to push you toward one. Tell us what the site does and we will tell you which connection fits, whether you need a second one, and what has to be built on top of it to make it work.

Talk to an engineer:

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- info@quicksurfnetwork.com
- +971 4 288 2335
- Suite 115, Al Makateb Building, Port Saeed, Deira, Dubai

Confirm current pricing directly with the operator.