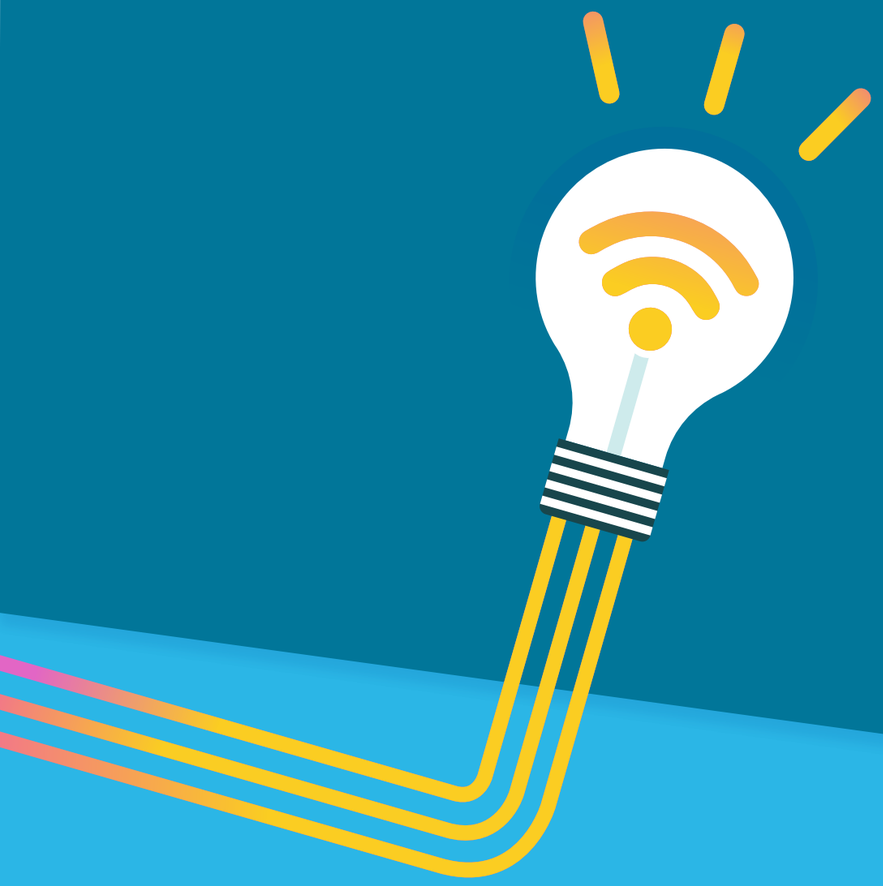
Connectivity.

Always **Connected** | Always **Supported**



The Ultimate Guide to Connectivity

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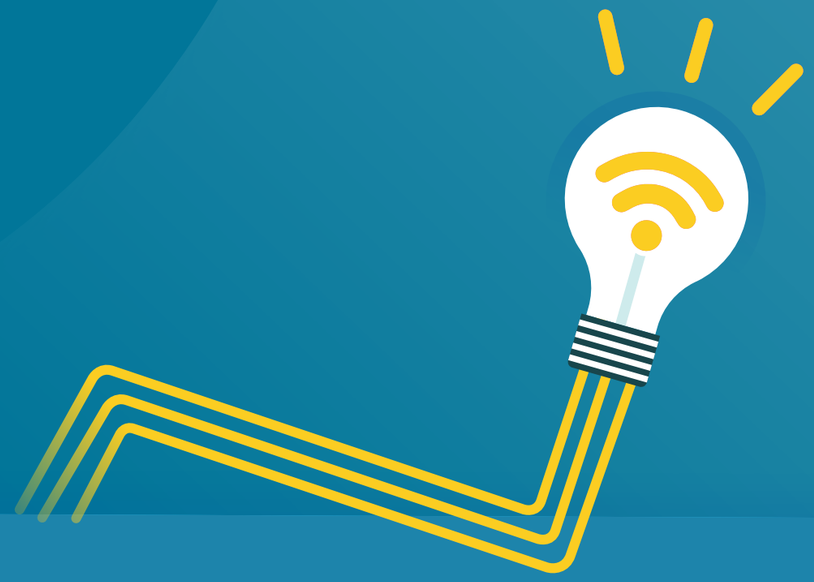
chess®

we are chess®



> We're completely reliant on good connectivity. No-one understands this better than Chess. They really see the bigger picture, how everything, from team working to customer communication and cloud computing are all completely dependent on being online, 24/7. They don't just supply an internet connection, they support our entire operation.

JO GREEN | Gibbs Gillespie

Grow, Work and Connect

Effective organisations depend on effective IT. In an environment that's always changing, hitting your objectives calls for constant innovation in the way you operate, your processes, people and products.

To make sure you've got the right tools to embrace new challenges, it's crucial to invest in the right technology and expertise. With so many supplier and cloud options to choose from, figuring out what's best for your business is no easy task.

Better Communication

Connectivity is a key driver for any successful organisation. A secure, reliable and powerful connection not only keeps you better connected to customers, suppliers and employees, it can radically boost business productivity and growth. Chess provides a full range of Internet options, from broadband and fibre to leased lines.

Leased Line

The unrivalled internet connection, uncontended, secure and fully scalable.

Is This The Solution For Your Business?

Multi-site companies relying on centralised sales, ERP or CRM systems.

Organisations looking to build and extend networks and infrastructure.

Business with seasonal fluctuations

Businesses that require high grade connectivity for daily operation.

Businesses that handle sensitive or confidential data.

How Does It Work?

1. Your premises are connected to your ISP by Ethernet fibre, with a range of symmetrical speeds from which to choose.
2. A managed router is connected.
3. Ethernet line goes via Chess' Ethernet switch in the exchange.
4. The line is then connected to the internet via Chess' next generation network.

Upload Speed | Up to 10 Gbps
Download Speed | Up to 10 Gbps
Usage | Unlimited

The Benefits of a Leased Line

Efficiency

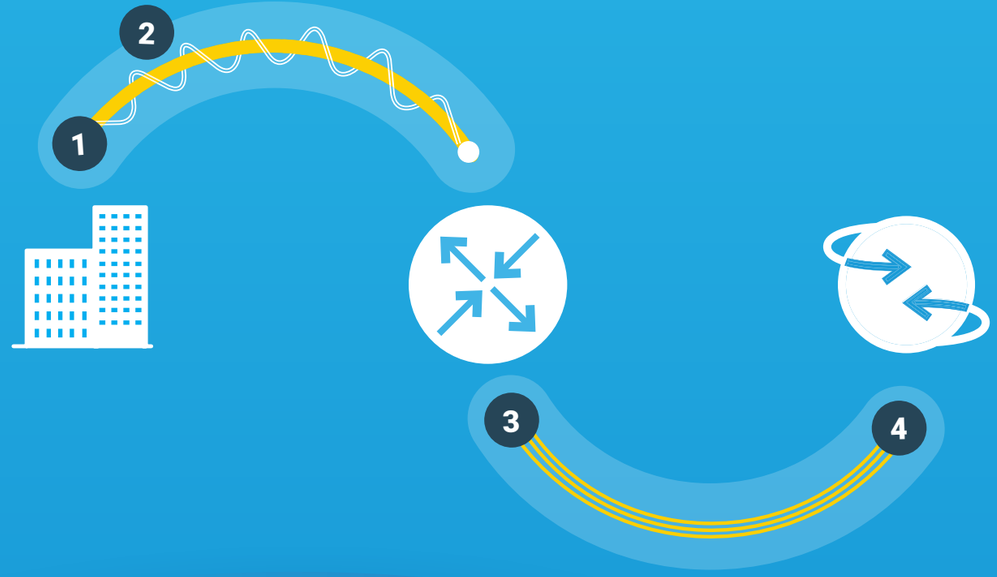
- Uncontended private connection providing consistent speeds
- Fully symmetrical, with uploads and downloads up to 10Gbp
- Fully scalable

Reliability

- 1:1 contention ratio meaning no interruptions, even at peak times
- Optional backup circuit for failover
- Optimum 6 hour faults fix SLA
- Managed router with 24/7 proactive monitoring

Productivity

- Supporting your journey to the Cloud
- The option for large data transmissions, including video conferencing and streaming
- Offering absolute privacy and security



EFM

EFM (Ethernet First Mile) is a cost-effective way to advance to a high capacity connection with the upload and download speeds you need to support bandwidth hungry applications including VoIP and hosted solutions.

Is This The Solution For Your Business?

Businesses needing to leverage many of the benefits of Ethernet without committing to a premium connection.

Businesses requiring more bandwidth but without the budget for full Ethernet.

Satellite and branch offices needing resilient connections and centralised systems.

How Does It Work?

1. Multiple coppper pairs are installed into the building. The speeds are the same downstream and upstream.
2. There is an option of a managed router if required.
3. An EFM card is installed by Chess into the multi-service access node at the exchange.
4. The line is connected to the internet via Chess' next generation network.

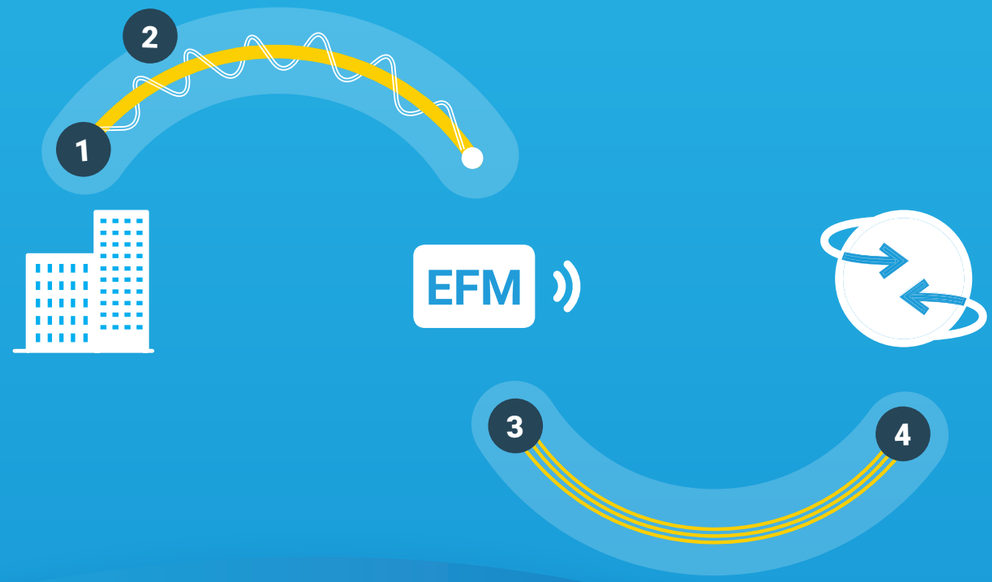
Download Speed | Up to 20 Mbps
Upload Speed | Up to 20 Mbps
Usage | Unlimited

The Benefits of EFM

Efficiency
- Uncontended high speed connection; up to 20 Mbps upload and download speeds

Reliability
- Consistent, high performing connectivity
- Automatic fail-safe to prevent service interruption
- 8 hour faults fix SLA
- 24/7 support from UK service centre

Productivity
- Data hungry critical applications
- High bandwidth usage tasks such as video conferencing
- Deploying IP telephony, accessing VoIP and hosted solutions



EoFTTC

Ethernet over Fibre To The Cabinet (EoFTTC) combines the best of FTTC and EFM to deliver an entry level, uncontended, cost effective, superfast connection.

Is This The Solution For Your Business?

Business requiring an enhanced SLA.

Businesses needing an uncontended connection.

Businesses that require a fast and consistent connection.

How Does It Work?

1. Your premises are connected to the network via installed NTE.
2. A managed router can be applied if necessary.
3. Data traffic travels over copper to the local fibre enabled street cabinet .
4. Data traffic continues over fibre to the exchange. Traffic is uncontended from the cabinet to the network.
5. The line is then connected to the internet via Chess' next generation network.

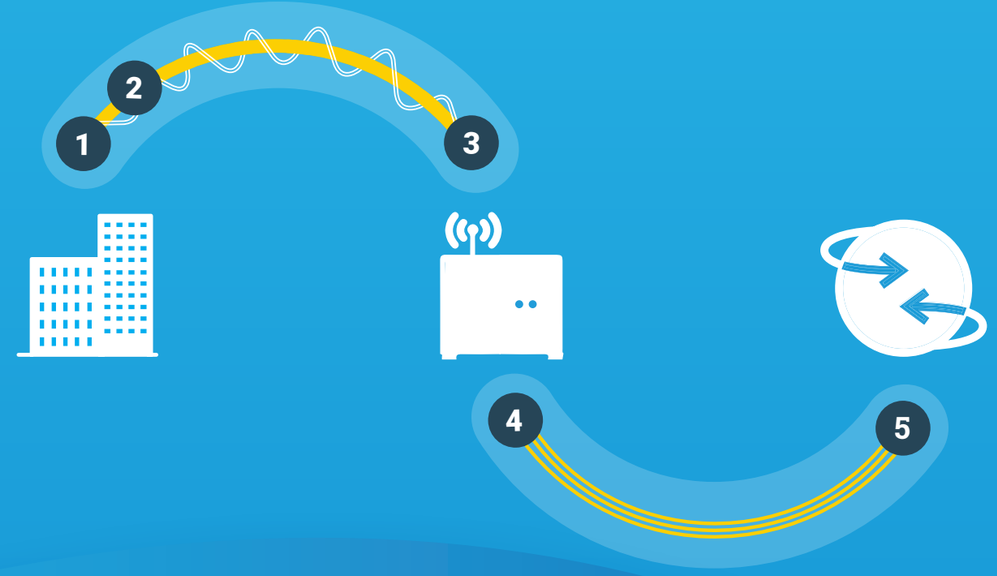
Download Speed | Up to 80 Mbps
Upload Speed | Up to 20 Mbps
Usage | Unlimited

The Benefits of EoFTTC

Efficiency
- Dedicated symmetric bandwidth up to 20 Mbps, with burstable download speeds up to 80 Mbps

Reliability
- Uncontended private connection
- 8 hour faults fix SLA
- 24/7 support from UK service centre

Reliability
- Quick transfer of large amount of data files
- Running SIP
- Real time communication tools and business applications



FTTP

Fibre To The Premises (FTTP), with fibre optic connection from the telephone exchange to the premises, offers increased bandwidth and a more robust, future proofed solution connection.

Is This The Solution For Your Business?

Small and medium businesses*

Businesses that require a fast and consistent connection.*

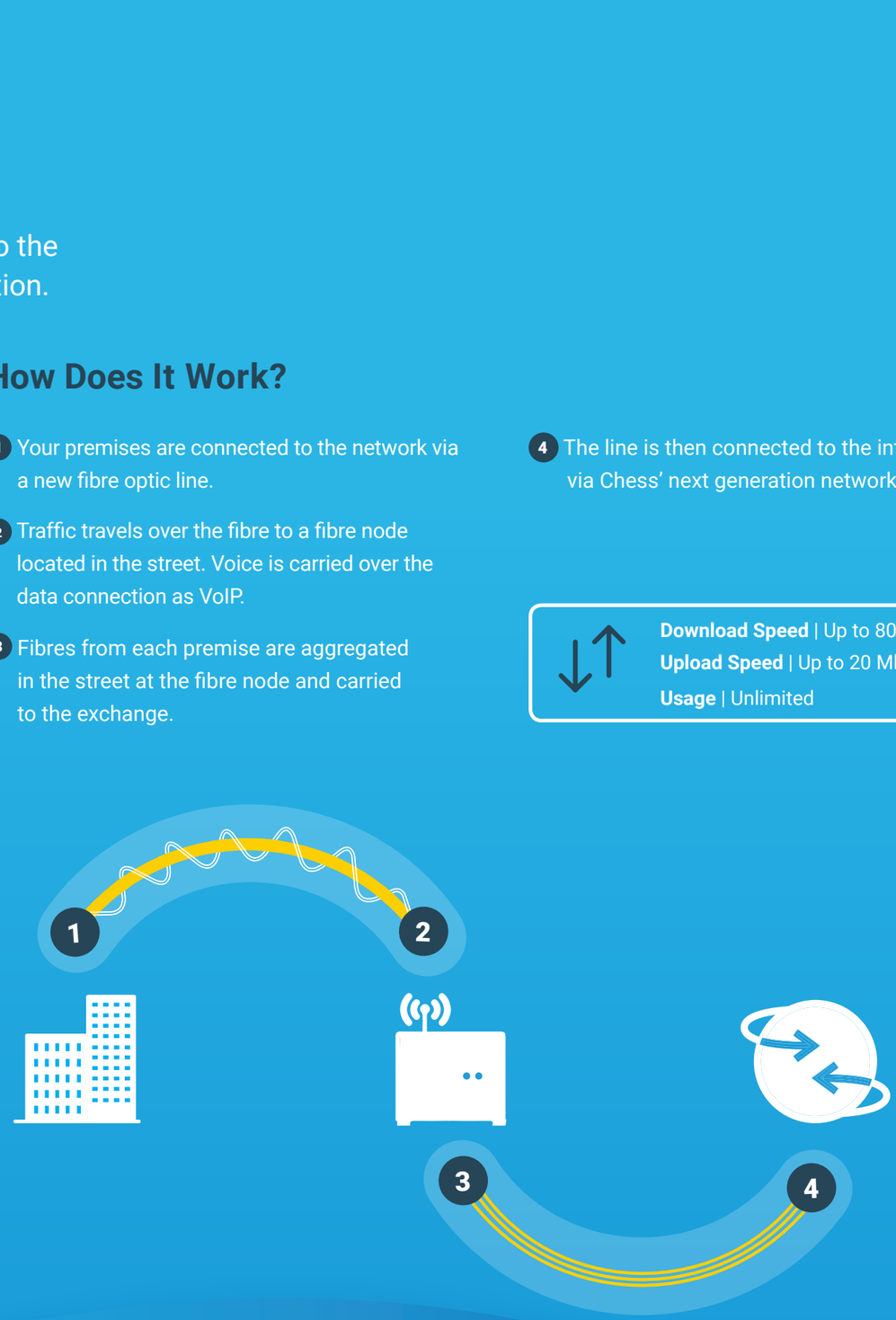
Offices where higher bandwidth services are not cost effective.*

* In FTTP Enabled Areas.

How Does It Work?

1. Your premises are connected to the network via a new fibre optic line.
2. Traffic travels over the fibre to a fibre node located in the street. Voice is carried over the data connection as VoIP.
3. Fibres from each premise are aggregated in the street at the fibre node and carried to the exchange.
4. The line is then connected to the internet via Chess' next generation network.

Download Speed | Up to 80 Mbps
Upload Speed | Up to 20 Mbps
Usage | Unlimited



The Benefits of FTTP

Efficiency
- High speed broadband in FTTP enabled areas.

Reliability
- Full fibre solution – so no copper degradation/ interference
- 24/7 support from UK service centre

Productivity
- Collaboration tools
- Communication platforms
- Critical applications needing faster connections

FTTC

Fibre To The Cabinet (FTTC), can go up to 80 Mbps downstream, perfect if you need commercial growth that's not impeded by a slow or erratic internet connection.

Is This The Solution For Your Business?

Small and medium businesses

Businesses that require a fast and consistent connection.

Offices where higher bandwidth services are not cost effective.

How Does It Work?

1. Your premises are connected to the network via new or using existing copper cabling.
2. Voice and data traffic travels over copper to the local fibre enabled street cabinet.
3. Data traffic is carried over fibre to the exchange.
4. The line is then connected to the internet via Chess' next generation network.

Download Speed | Up to 80 Mbps
Upload Speed | Up to 20 Mbps
Usage | Unlimited

The Benefits of FTTC

Efficiency

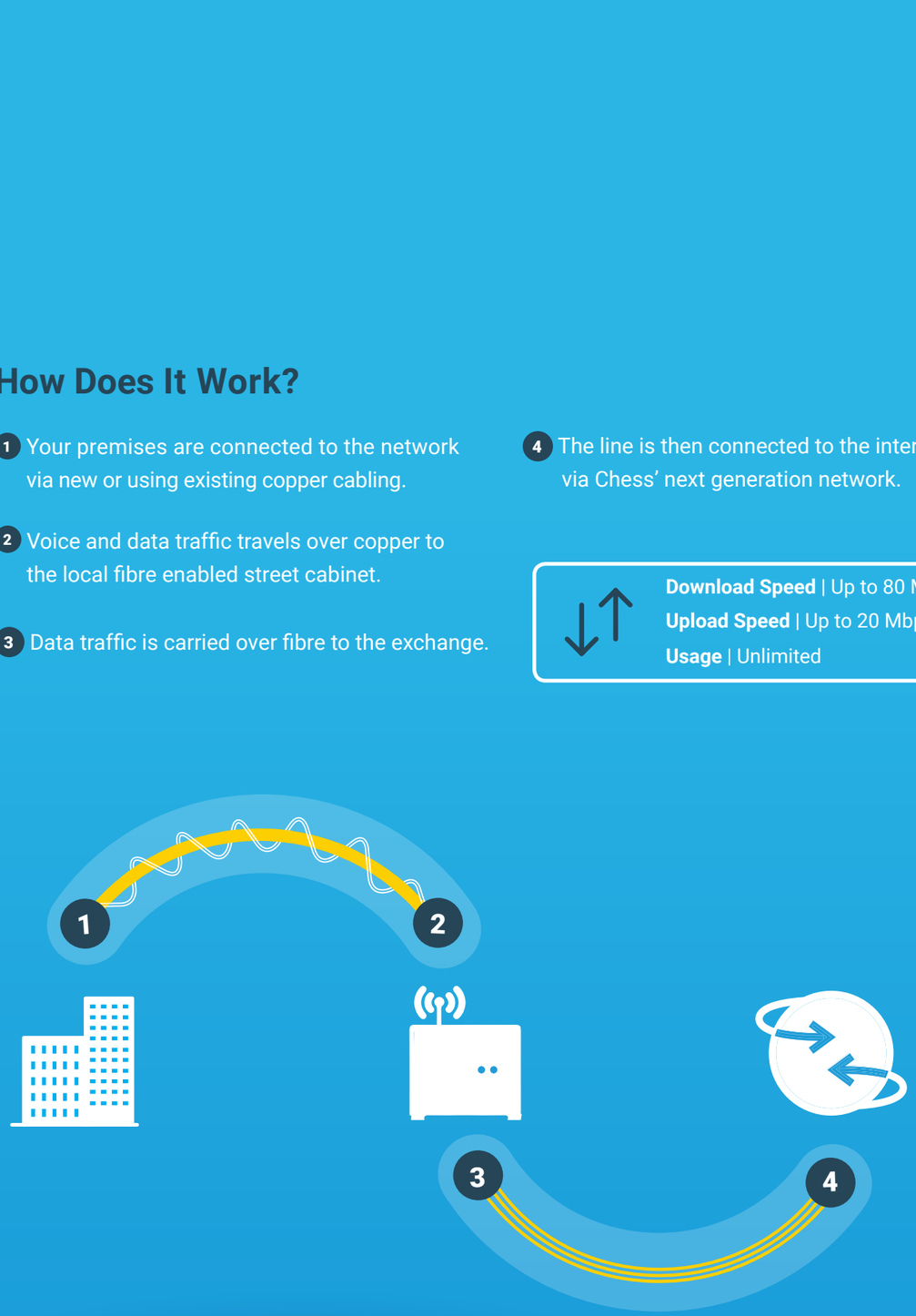
- Business traffic is prioritised so your connection remains superfast even during peak times
- Runs over the latest, most efficient networks which are more cost-effective rather than legacy technologies

Reliability

- Fibre-optic performance from the green cabinet to the exchange
- 24/7 support from UK service centre

Productivity

- Collaboration tools
- Communication platforms
- Critical applications needing faster connections



ADSL

A value for money broadband service, giving you an internet connection you can rely on.

Is This The Solution For Your Business?

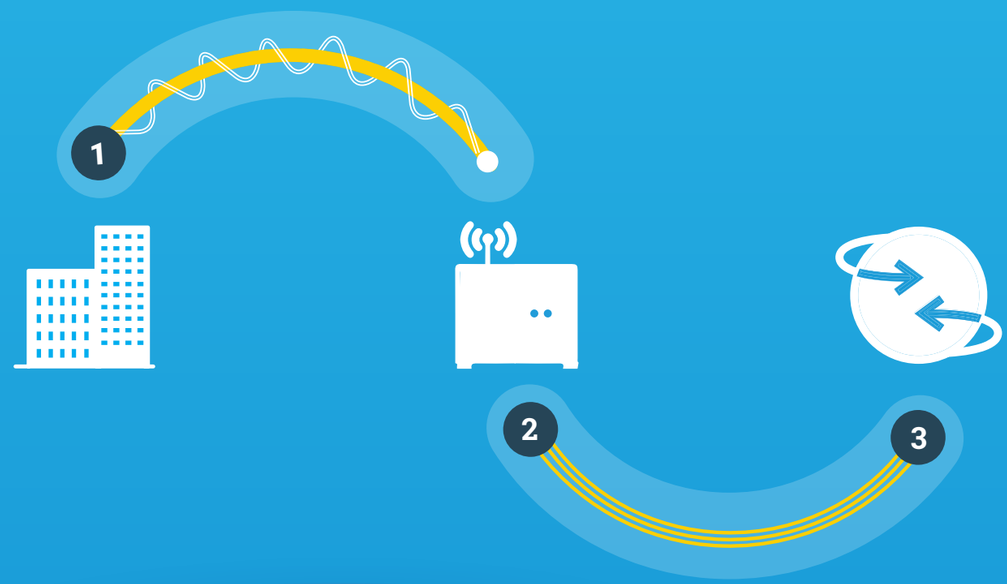
Small/ home businesses with few internet users.

Businesses requiring an entry level connection.

How Does It Work?

1. Your premises are connected to the network.
2. Voice and data traffic travels over copper to the local exchange.
3. The line is then connected to the internet via Chess' next generation network.

Dowload Speed | Up to 24 Mbps
Upload Speed | Up to 1 Mbps
Usage | Unlimited



The Benefits of a ADSL

Efficiency
- Runs over latest, most efficient ADSL network meaning lower cost than providers using legacy technology

Reliability
- 24/7 support from UK service centre

Productivity
- Basic internet
- Email

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Talk to a Specialist

0808 301 4691

Useful Information

60-Second Explainer Video
Capturing connectivity in 60-seconds.

Comparison Chart
Compare the features and benefits of the latest connectivity solutions

Decision Tree
Discover what connectivity solution is right for you business

Infographic
The future is getting faster. Is your internet keeping up?

Borehamwood
1 Elstree Way
Borehamwood
WD6 1JD

Burnley
Crown House
Network 65 Business Park
Bridgewater Cl, Hapton
Burnley BB11 5TE

Bury St Edmunds
Manor Park
Great Barton
Bury St Edmunds
IP31 2QR

Glasgow
Abbey Mill Business Centre
5th Floor Mile End Mill
12 Seedhill Road
Paisley PA1 1JS