# Broadband in Denmark

A number of political initiatives aiming at nation-wide fixed and mobile broadband coverage support Danish broadband goals. The Government works towards making Denmark a digital frontrunner by creating a foundation for Danish businesses to exploit digital technologies.

## Summary of broadband development in Denmark

Denmark's Digital Strategy aims at 100 Mbps download and 30 Mbps upload speeds for all households and businesses by 2020. The strategy sets the course for Danish public sector digitisation efforts and their interaction with businesses and industry. A new Broadband Strategy is in preparation.

# National broadband strategy and policy

### Responsible authorities

- The Ministry of Climate, Energy and Utilities (Klima, Energi- og Forsyningsministeriet) is responsible for Danish broadband policy development and administration. Its principal actions include the regulatory framework for the telecom sector and the setting of broadband goals, which are collectively agreed on by the Government.
- The Danish Energy Agency (Energistyrelsen) is part of the Ministry of Climate, Energy and Utilities and acts as the principal national regulatory authority for telecommunication in Denmark. The agency is the national broadband competence centre and its tasks include implementation of broadband policy, matters related to physical infrastructure, rights of way, radio equipment, net neutrality and spectrum management.
- The Danish Business Authority, an agency under the Ministry of Industry, Business and Financial Affairs, is the independent regulatory authority in charge of market analysis and decisions and carries out tasks on internet regulation and e-privacy.
- The Danish Agency for Digitisation is an agency of the Ministry of Finance established in 2011 to speed up the digitisation processes required to modernise the Danish welfare society. The Agency is in charge of the digitisation of Denmark and is responsible for the implementation of the government's digital ambitions in the public sector.

### Main aims for broadband development

The central government, regions and municipalities have agreed a Digital Strategy 2016-2020 in order to accelerate the adoption of digital solutions in the public sector. The strategy aims at 100 Mbps download and 30 Mbps upload speeds for all households and businesses by 2020. The Danish government is working on a new Broadband Strategy, expected in 2021.

The Danish Energy Agency has published a 5G Action Plan for Denmark focusing on four main topics as the chief cornerstones for a successful roll-out and utilisation of 5G: frequencies, roll-out, regulation and use cases.

## Main measures for broadband development

- Broadband mapping: The Danish Energy Agency monitors broadband development via the mapping tool (Tjekditnet). It is an interactive mapping of offered and technically possible speeds, available technologies and providers of subscriptions at an address level for all Danish addresses including businesses, households, public buildings and holiday homes. The mapping covers both fixed access and mobile coverage. Aggregated data on coverage at municipal or regional level is also available. The site offers a tool to measure the speed and quality of the users current connection.

# National and regional broadband financial instruments

Denmark's primary focus is on the roll-out of high-speed network infrastructure based on private investments. A key role is reserved for municipalities in coordinating and promoting the process in cooperation with telecommunication operators. Public funding is reserved for areas with poor broadband coverage. Some of the current financial measures are:

- State aid was introduced in 2013 for the island of Bornholm, and later in a nationwide aid measure: the Broadband Fund (Bredbåndspuljen). The Broadband Fund aims at locals aggregating their demand to apply for financial assistance collectively. The Broadband Fund is administered by the Danish Energy Agency. The Danish government has used DKK 100 million yearly since 2018 to support households and firms with poor broadband coverage.

# Data on broadband development and technologies in Denmark

For the latest data on broadband coverage, subscriptions and penetrations, coverage of different broadband technologies and costs check the scoreboard reports and the country reports of the Digital Economy & Society Index (DESI). National data is also available at the Energy Agency's site.

## Spectrum assignments for wireless broadband

For details on harmonised spectrum assignments consult the European 5G Observatory.

## National publications and press documents

### English

- Digital Strategy 2016-2020
- 5G Action Plan for Denmark
- Study on National Broadband Plans in the EU-28
- Europe's Digital Progress Report 2017
- Guide to High-Speed Broadband Investment
- Broadband Connectivity Reports and Analyses
- Mobile and fixed broadband prices in Europe at the end of 2019
- Study on broadband coverage in Europe 2019

**Danish**

- Den fællesoffentlige digitaliseringsstrategi 2016-2020
- 5G-handlingsplanfor Danmark

# Interview with the national Broadband Competence Office

## Contact information

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### Danish Ministry of Industry, Business and Financial Affairs (Erhvervsministeriet)

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### Danish Business Authority (Erhvervsstyrelsen)

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### Agency for Digitisation (Digitaliseringsstyrelsen)

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# Related Content

## Big Picture

Broadband in EU countries

Find current information on broadband development in each country, as well as national strategies and policies for developing broadband.

## See Also

Broadband in Sweden

Sweden's national broadband plan, adopted in 2016, has the vision of an entirely connected Sweden and has goals for both mobile coverage and for high-speed broadband connections for households and businesses. By 2020, 95% of all households and companies should have access to...

Broadband in Spain

Digital connectivity and 5G rollout are among the ten strategic priorities of the Spain Digital 2025 Agenda.

Broadband in Slovenia

Slovenia's broadband aims are in line with the gigabit society targets.

Broadband in Slovakia

Slovakia has set the long-term objective of achieving access to high-speed internet connection with at least 30 Mbps for all households by the end of 2020.

Broadband in Romania

Romania's broadband plan focuses on building up a national broadband network as a first step towards achieving the targets set by the Digital Agenda for Europe.

Broadband in Portugal

Portugal's NGA coverage is slightly below EU average. The Agenda Portugal Digital aims at development of a digital infrastructure that allows citizens to take advantage of the new opportunities

offered by technologies.

## Broadband in Poland

Poland's national broadband plan foresees that 100% of households should have access to internet connectivity of at least 30 Mbps by 2020. 50% of households should have internet connectivity of 100 Mbps by 2020.

## Broadband in the Netherlands

The Dutch government supports the Gigabit Society targets. All households should have the opportunity to access broadband networks of at least 100 Mbps and a vast majority should be taking advantage of 1 Gbps by 2023. Mobile networks must also be able to access basic services at...

## Broadband in Malta

Malta's broadband policy is technology neutral and favours a competitive market environment.

## Broadband in Luxembourg

The development of a communication infrastructure with a target of gigabit broadband access throughout the country is one of the priorities in the governmental programme of Luxembourg.

## Broadband in Lithuania

Lithuania's Next Generation Internet Access Development Plan focuses on direct state contribution to long-term infrastructure development, supports measures promoting private sector investments and seeks to foster an increase in demand for fast broadband access.

## Broadband in Latvia

Broadband facilitates the development of e-services for government, schools, commerce, health and business besides providing high-speed internet to residents, businesses and public administrations in Latvia.

## Broadband in Italy

The Italian strategy for next generation access network aims at developing a high-speed access network to maximise the take-up of an infrastructure able to guarantee services of 100 Mbps for at least 85% of households by 2020. Italy adopted a national state aid scheme to support...

Broadband in Ireland

The national broadband plan for Ireland foresees that by 2026 all premises in Ireland will have access to high-speed broadband.

Broadband in Hungary

Hungary's National Digitization Strategy 2021-2030 aims at 95% of households covered by gigabit networks by 2030.

Broadband in Greece

The Greek Digital Transformation Bible 2020-2025 highlights connectivity as one of the five strategic axes and acknowledges the Gigabit Society 2025 targets.

Broadband in Germany

The 2018 coalition agreement of the German Federal Government identifies the priority goal of a nationwide expansion of gigabit networks by 2025. The federal government has also developed a 5G Strategy for Germany.

Broadband in France

The national broadband programme France Très Haut Débit sets out the targets of fast broadband access for all households by 2022 and fibre for all by 2025.

Broadband in Finland

The Finnish authorities go for a competition-driven, fibre-based network roll-out assisted by public funds for underserved areas and advice for local municipalities on how to deploy broadband networks.

Broadband in Estonia

Estonia has established basic broadband coverage throughout the country, and has brought its broadband targets for 2020 in line with those of the Digital Agenda for Europe.

Broadband in the Czech Republic

The National Plan for the Development of Very High Capacity Networks, approved in March 2021, defines the strategic approach of the Czech Republic to the construction of VHCN.

Broadband in Cyprus

Cyprus' broadband plan sets strategic objectives for 2016-2020 and is aligned with the Gigabit Society objectives and the 5G Action Plan. It aims at Internet coverage with at least 30 Mbps for all households and businesses by 2020. In order to achieve the 2020 take-up target of...

Broadband in Croatia

Croatia's strategy contains basic principles such as service and technological neutrality, net neutrality and inclusion of broadband internet access among universal services.

Broadband in Bulgaria

The National Broadband Infrastructure Plan for Next Generation Access "Connected Bulgaria" and the Policy in the field of electronic communications have been updated and adopted in August 2020.

Broadband in Belgium

Belgium's broadband strategy is incorporated into a broader policy strategy "Digital Belgium 2015-2020". The aim is to provide speeds of up to 1 Gbps to half of the country by 2020 and to facilitate a proactive 5G roll-out. By lowering costs and reducing administrative burdens...

Broadband in Austria

Austria's broadband strategy focuses on the nationwide supply of Gigabit connections by 2030. By the end of 2025, almost nationwide availability of 5G should have been realised.

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