

Current Status of Fiber Optic Communication Development in Finland



Overview

At the end of September 2025, broadband networks based on optical fibre covered 80% of households in Finland, corresponding to almost 2,3 million households. Availability increased by 12 percentage points compared with the situation one year earlier. The overview of fixed connections is updated mainly on an annual basis. Consumer surveys. The Finnish authorities favour a competition-driven, fibre-based network roll-out assisted by public funds for underserved areas and advice for local municipalities on how to deploy digital connectivity networks. The Digital infrastructure strategy and Finland's digital compass support the EU's. High-speed communications networks are increasingly available to a growing number of households, with continuously improving performance. The best fibre-optic coverage was recorded in Åland (98%), Ostrobothnia. Key Insight: The robust digital infrastructure in Finland underpins its status as a leading digital economy. Continued investments in broadband.



Article Content

Optical fibre to boost municipal connections

The significance of fast and reliable connections increases every year and is emphasised in various crises. Finland has comprehensive mobile networks, but households and companies also

Digital connectivity in Finland

By 2025 all households should have access to at least 100 Mbps connections. It should be possible to increase the speed of the connection to 1 Gbps. Cost-efficient construction of optical fibre networks

NIB and Valoo to expand high-speed internet access in

Although Finland is a pioneer in digitalisation, excelling in areas such as wireless 4G and 5G networks, the availability of digital services, and data

Fibre optic connections available to nearly 2 million

At the end of September 2024, fibre-optic network connections were available to 68% of Finnish households. In addition, 75% of households could

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A future-proof network for Europe: Full fibre and 5G

In this context, it discusses the current state of full fibre and 5G mobile technology in the EU, including the challenges of attracting private investment, and explores new business models for network

Telecommunications industry in Finland

Find the most up-to-date statistics and facts on the telecommunications industry in Finland

Inside Ukraine's Fiber-Optic Drone War

Ukrainian commander gives us new details on the advantages and limitations of using fiber optic cables to control FPV attack drones.

Valoo Bringing Fiber Connectivity to Multiple Cities in

Valoo, Finland's fiber optic internet service provider, is making significant progress in expanding its network to connect more households to

Communication networks at heart of Finland's security and economic ...

In many areas the basic fibre infrastructure is modern, but access to fibre connections remains below that of the other Nordic countries and varies considerably between regions. Space

Broadband Coverage in Finland: Key Figures

According to Traficom, fibre-optic networks were available to 80 percent of Finnish households in September 2025. Availability increased by 12 percentage points compared to 2024.

Finland to receive EUR 4.67 million in EU funding for improving ...

In the fourth round of calls for proposals under the CEF Digital programme, five projects coordinated by Finnish operators received a total of around EUR 4.67 million in funding. In addition,

Digital connectivity in Finland

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

Finland's Valoo raises another €200m to speed fibre

According to Traficom, at the end of September 2024, 68% of Finnish households had access to fibre broadband and 75% of households had

Bell Labs

In the mid-1980s, the Transmission System departments of Bell Labs developed highly reliable long-haul fiber-optic communications systems based on SONET,

Fiber-Optic Communication System: Current Status and Future

This is the case mainly due to the low price, high reliability and high bandwidth that is available when utilizing optical fibers. Therefore, we invite contributions that report on the current status of

Computing

Computing is the leading information resource for UK technology decision makers, providing the latest market news and hard-hitting opinions.

Traficom

At the end of September 2024, Finland's fibre-optic broadband network was made available to nearly 2 million homes, or 68% of Finnish households, representing a 7 percentage-point

Fiber Optic Coverage and Internet Usage Statistics in Finland (2026)

An overview of Finland's fiber optic infrastructure and internet usage projections for 2026, highlighting connectivity advancements.

Optical fibre networks expand and their usage grows

The number of fibre-optic connections in use and the amount of data transferred over fixed networks also continued to grow. The Finnish Transport

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Development of fixed communications networks in Finland

At the end of September 2025, broadband networks based on optical fibre covered 80% of households in Finland, corresponding to almost 2,3 million households. Availability increased by 12

More than EUR 13 million in EU funding sought for seven Finnish

Fiber optic cable is being installed along the roadside. (Image: Markus Pentikäinen, Keksi/LVM) Finnish operators apply for a total of EUR 13.76 million in funding from the European

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