



**Saunalahti.fi**  
SÄÄSTÖÄ JOKA SEKUNTI.

## **SERVICE DESCRIPTION FOR SAUNALAHTI MOBILE BROADBAND SERVICES AS OF 1 JUNE 2012**

The Saunalahti mobile broadband services offer a data transfer connection according to a selected service type with a fixed monthly charge in Finland. The Saunalahti mobile broadband service can be ordered as an independent service or additional service to Saunalahti mobile telephone subscriptions. If you have not ordered a separate monthly charged mobile broadband service, the service will be charged according to the valid price list on the basis of the use of the data transfer connections.

Saunalahti mobile broadband services operate in the coverage area of Elisa's mobile communication network. The best data transfer speeds are reached in the coverage range of the 3G (UMTS) and 4G (DUAL CARRIER and LTE) networks. Outside the coverage range of these networks, the data transfer connections are operating in the 2G (EDGE ja GSM) networks. Before ordering the services, verify the network technologies available in the operating site and get an assessment of the coverage from the salesperson or at [www.elisa.fi/kuuluvuus](http://www.elisa.fi/kuuluvuus).

Saunalahti mobile broadband services use mainly address translation. In a data transfer communication using address translation, the service does not receive a public IP address for use and it is not possible to open an incoming data transfer communication. In other cases, the following gates are closed in the incoming data transfer traffic: 135, 137-139, 445 ja 25. The following gates are closed in the outgoing data transfer traffic: 135, 137-139, 445 ja 25. The outgoing data transfer traffic through gate 25 is allowed only to the Saunalahti mail server: [posti.saunalahti.fi](mailto:posti.saunalahti.fi). The number of email messages sent within a short time has been limited. The Resolver servers do not answer to the ICMP queries (ping requests) coming from outside Elisa's network.

### **Fluctuation range of data transfer speed**

The data transfer speeds of Saunalahti mobile broadband services may temporarily decrease below the fluctuation range of a typical data transfer speed. The data transfer speed depends, for example, on the selected service, location, available network technology, signal strength,

disturbance level, terminal device characteristics and network loading. Data transfer speed may also be affected by a rush of Internet services, the performance of equipment allocated for the service, the loading of virus protection and firewall services and other software, or the use of a wireless local area network connection. In addition, there may be local shadow areas in network coverage areas, for example, a neighbouring house or the structures of one's own house may moderate the signal strength indoors.

### Saunalahti mobile broadband service

	Typical range of data transfer speeds (download) (Mbit/s)				Maximum speed (download) (Mbit/s)	Data amount restrictions
	2G	3G	4G DUAL CARRIER	4G LTE		
Perus (Basic)	0.05 - 0.2	0.4 - 1			1	no restrictions
Nopsa (Fast)	0.05 - 0.2	0.4 - 10			21	no restrictions
4G	0.05 - 0.2	0.4 - 15	0.4 - 25	5 - 40	50	no restrictions
4G Super	0.05 - 0.2	0.4 - 15	0.4 - 25	5 - 80	100	no restrictions

### Saunalahti mobile broadband, additional service for mobile subscriptions

	Typical range of data transfer speeds (download) (Mbit/s)				Maximum speed (download) (Mbit/s)	Data amount restrictions
	2G	3G	4G DUAL CARRIER	4G LTE		
Mini	0.05 - 0.2	0.2 - 0.5			0.5	no restrictions
Perus (Basic)	0.05 - 0.2	0.4 - 1			1	no restrictions
Nopsa (Fast)	0.05 - 0.2	0.4 - 10			21	no restrictions
4G	0.05 - 0.2	0.4 - 15	0.4 - 25		50	no restrictions