

# 4G/LTE

## Increased capacity – faster response times – higher speeds

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### 4G/LTE

4G/LTE is short for the 4th generation of mobile telecommunications/Long Term Evolution

### 4G/LTE with Swisscom

Swisscom is well-versed in 4G technology! The new technology has been intensively tested in the lab and in real conditions since 2010. Since December 2011, Swisscom customers have used 4G/LTE on a trial network in seven tourist regions. Swisscom is now offering 4G/LTE at 26 locations throughout Switzerland.

### Increased capacity

4G/LTE offers three times as much bandwidth as the current HSPA+ 3G technology. This means that a larger number of customers can transfer more data simultaneously at higher speeds.

### Faster response times

The 4G/LTE network allows 4G/LTE-compatible smartphones to enjoy response times that are 15 times faster than those with 2G/GSM. 4G/LTE features a reaction time of 40 milliseconds.

### Higher speeds

4G/LTE currently boasts download speeds of up to 100 Mbps (technically, even up to speeds of 150 Mbps) and maximum upload speeds of 10 Mbps.

### In which locations does Swisscom now offer 4G/LTE?

4G/LTE can be used at 26 locations throughout Switzerland: Basel, Berne, Biel, Crans-Montana, Davos, Fribourg, Geneva, Grindelwald, Gstaad, Interlaken, Lausanne, Leukerbad, Locarno, Lugano, Lucerne, Pontresina, Saas Fee, Sion, St. Gallen, St. Moritz, Thun, Wengen, Winterthur, Zermatt, Zug, Zurich

### LTE coverage (population percentage coverage)

- End of 2012: 20% coverage of the Swiss population
- End of 2013: 70% coverage of the Swiss population

# Swisscom's mobile network

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**Which mobile communications technologies does Swisscom use:**

Generation	Coverage of the Swiss population	Technology		Download speed	Upload speed
2G	> 99%	GSM	Global System for Mobile Communications	max. 13.4 kbps	max. 13.4 kbps
		GPRS	General Packet Radio Service	max. 48 kbps	max. 48 kbps
		EDGE	Enhanced Data Rates for GSM Evolution	max. 256 kbps	max. 64 kbps
3G	> 93%	UMTS	Universal Mobile Telecommunications System	max. 384 kbps	max. 384 kbps
		HSPA	High Speed Packet Access	max. 14.4 Mbps	max. 1.8 Mbps
		HSPA+	High Speed Packet Access Plus	max. 42 Mbps	max. 5.6 Mbps
4G	20%	LTE	Long Term Evolution	max. 100 Mbps	max. 10 Mbps