

	<b>Technology</b>	<b>Commercial release</b>	<b>applications</b>	<b>Data transmission speed</b>
<b>1G</b>	NTTPC (NTT Public Corp.) NMT450 (Nordic Mobile Telephone System) AMPS (Advanced Mobile Phone System) TACS (Total Access Communication System)	1979 (Japan) 1981 (Scandinavia) 1983 (USA) 1985 (UK/Ireland)	voice	(analog)
<b>2G</b>	GSM (Global System for Mobile Communication), CDMA (Code Division Multiple Access), TDMA (Time Division Multiple Access) FDMA (Frequency Division Multiple Access)	1991 (Finland)	1G + ringtones, text (Short Message Service, SMS) SIM card for GSM phones.	Circuit switched (time-based) - 8 Kbps - 9.6 Kbps - 14 Kbps - 20 Kbps
<b>2.5G</b>	GPRS (General Packet Radio Service) / on top of GMS I-mode (Japan)	2001 (USA)	1G + 2G + WAP (wireless application protocol)	Packet switched (data-based) - 56-114 Kbps
<b>3G</b>	UMTS (Universal Mobile Telecommunicaiton System) CDMA2000 FOMA (Japan)	2001 (Japan / UK) 2002 (S. Korea) 2003 (USA/Europe) 2005 (Canada) 2008 (India)	1G + 2G + download video, watch TV, full internet connection - GPS	Packet switched (data-based) - 2Mbps - 14 Mbps