

commandN 156

techTIPS: Cellular Data Technologies

Generation	3GPP Networks (GSM / UMTS) ~ 85% globally	Approximate D/L Data Rates	3GPP2 Networks (CDMA) ~ 15% globally	Notes
1G (1980s)	AMPS, NMT, TACS, etc.			Analog cellular systems
2G (1990s)	GSM	up to 144 kbit/s	cdmaOne	First digital cellular systems
2.5G	GPRS		CDMA2000 1xRTT (up to 144 kbit/s)	Enhanced versions of 2G networks
2.75G	EDGE (Evolved EDGE up to 1 Mbit/s)			
3G (2000s)	UMTS (WCDMA)	up to 3.1 Mbit/s	CDMA2000 1x (EVDO)	Latest cellular networks (IMT-2000 global standards)
3.5G	UMTS (HSPA)	up to 7.2 Mbit/s	CDMA2000 3x (EVDO Rev B)	