

Max™ Bandwidth Requirements

Types of Broadband Services and Connection Speeds	Maximum possible total number of simultaneous IP calls	Number of simultaneous IP calls using Max 4	Number of simultaneous IP calls using Max 8	Number of simultaneous IP calls using Max 8/16	Number of simultaneous IP calls using Max T1	Number of simultaneous IP calls using Max E1
28.8 Kbps dial up modem	1	1	N/A	N/A	N/A	N/A
33.6 Kbps dial up modem (>30K actual)	1	1	N/A	N/A	N/A	N/A
56 Kbps dial up modem (>40K actual)	2	2	N/A	N/A	N/A	N/A
ISDN modem with 1B (64 Kbps)	3	3	3	3	3	3
ISDN modem with 2B (128 Kbps)	7	4	7	7	7	7
ISDN-BRI (IDSL) 144 Kbps	8	4	8	8	8	8
Cable Modem 1.5M/384Kbps down/up speed	22	4	8	16	22	22
Cable Modem 4M/384 Kbps down/up speed	22	4	8	16	22	22
Satellite Modem 150K~400K down speed	8	4	8	8	8	8
Fixed Wireless 512K~2M down speed	30	4	8	16	24/23	30
ADSL-Lite 64K~1.5M/64K~520K	3	3	3	3	3	3
ADSL 768K/128K down/upload speed	7	4	7	7	7	7
HDSL 1.5M/128K down/upload speed	7	4	7	7	7	7
ADSL 1.5M/384K down/upload speed	22	4	8	16	22	22
ADSL 7.1M/768K down/upload speed	45	4	8	16	24/23	30
SDSL 384K/284K down/upload speed	16	4	8	16	16	16
SDSL 768K/768K down/upload speed	45	4	8	16	24/23	30
HDSL-II 1.544M/1.544M Legacy T1 Service	90	4	8	16	24/23	30
VDSL (FITL apps DSL) 12~52M/1~20M 3kft	58	4	8	16	24/23	30
Legacy E1 service 2.048M/2.048M	120	4	8	16	24/23	30

Notes:

- * Shading denotes most popular broadband services in the current market
- * Bandwidth requirement for best voice quality is 17Kbps per IP call using 1 frame/packet. It is possible to make calls with less than 17Kbps bandwidth, but call quality issues may res
- * Dial-up internet connections are not recommended to avoid possible call quality issues due to network congestion.
- * The bandwidth is conserved less if silence compression is used when there is no voice traffic during the call.