

# Appendix C - Server Sizing

Here follows the Server size compared with the maximum **concurrent calls** index.

[Server Sizing.xls](#)

|                           | <b>Total CC call</b>    | 50          | 100         | 200         |  |
|---------------------------|-------------------------|-------------|-------------|-------------|--|
|                           | <b>Registered Users</b> | 1000        | 2000        | 4000        |  |
| Only AMR 4.75 to AMR 4.75 | # CORE                  | 1           | 1           | 2           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 1,663208008 | 3,326416016 | 6,652832031 |  |
| Only AMR 4.75 to PCM      | # CORE                  | 1           | 2           | 4           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 8,613586426 | 17,22717285 | 34,4543457  |  |
| Only AMR 4.75 to GSM      | # CORE                  | 2           | 4           | 8           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 3,768920898 | 7,537841797 | 15,07568359 |  |
| Only AMR 12.2 to AMR 12.2 | # CORE                  | 1           | 1           | 2           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 3,112792969 | 6,225585938 | 12,45117188 |  |
| Only AMR 12.2 to PCM      | # CORE                  | 1           | 2           | 4           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 9,338378906 | 18,67675781 | 37,35351563 |  |
| Only AMR 12.2 to GSM      | # CORE                  | 2           | 4           | 8           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 4,493713379 | 8,987426758 | 17,97485352 |  |
| Only GSM to PCM           | # CORE                  | 1           | 2           | 4           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 10,71929932 | 21,43859863 | 42,87719727 |  |
| Only GSM to GSM           | # CORE                  | 1           | 1           | 2           |  |
|                           | # RAM (GB)              | 4           | 8           | 16          |  |
|                           | # Storage (GB)          | 512         | 1024        | 2048        |  |
|                           | # BW (Mbps)             | 5,874633789 | 11,74926758 | 23,49853516 |  |

[Appendix B - Bandwidth](#)

[Appendix D - Server hardening](#)