

DIVERSITY vs MIMO

Dear Customers,

While LTE is the network of the future GSM, EDGE and UMTS/HSPA naturally continue to play an important role. Many devices such as routers, e.g. our MC-MRH, thus employ Diversity technology.

This technology should, however, under no circumstances be confused with MIMO technology. While the former also includes two connections they are, however, used to connect two completely different, separate antennas.

MIMO technology processes signals to both connections simultaneously, while Diversity connections process only one signal, namely the one which is strongest at that moment in time. This ensures that your end device always receives the best signal.

Diversity technology is used in UMTS/HSPA networks.

Two separate antennas for one Diversity-enabled device thus result in significantly increased signal stability but not, however, in increased bandwidth as is the case where MIMO technology is concerned.

Please contact us if you have any questions.

Diversity technology example

