

Operation Description

ALCOMA ZENITH 80 is compact and easy to deploy Gigabit Ethernet radio relay link suitable for both last miles and shorter backbone links. Service availability is comparable to optical fiber. Typical link distance is 3 – 5 km for 99.99 % availability. ZENITH 80 operates in 71–76 / 81–86 frequency band according to ECC recommendation (05)07. ZENITH 80 supports both copper and optical fiber interfaces. The whole link is built into the outdoor unit. Indoor overvoltage protection terminal box with the grounding bolt is available.

The radio relay link ZENITH 80 as a whole or as parts is not intended to be used by untrained personnel. Installation, adjustments and maintenance must be performed only by a person with electrical qualifications trained by the manufacturer.

MODULATION, THRESHOLD SENSITIVITY AND TRANSFER CAPACITY OF THE LINK

Total bit speed [Mbit/s]	Modulation	Typical Threshold sensitivity for BER = 10^{-6} [dBm]	Width of transmitted spectrum in [GHz]
1 150	DBPSK	-63	1,5