

KB Name	Leased Line specifications for the MT5634SMI-92 SocketModem		
Type	KB		
Since revision	NA		
KB Number	KB-0010-0	Build	4
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Leased Line specifications for the MT5634SMI-92 SocketModem

1 Maximum distances for a Leased Line connection

The following table reflects the maximum distance between two leased line modems using just a straight 2 wire connection.

Data Rate (bps)	19AWG	22AWG	24AWG	28AWG	Distance
2400	22.0	15.0	12.0	9.50	miles
4800	19.0	13.0	10.0	08.0	miles
9600	15.0	10.0	07.0	05.5	miles
19200	11.9	07.0	05.0	04.0	miles
56000	10.0	06.0	04.2	03.0	miles

Expressed in wire diameters:

Data Rate (bps)	0.90mm	0.65mm	0.50mm	0.32mm	Distance
2400	35.2	24.0	19.2	15.2	kilometers
4800	30.4	20.8	16.0	12.8	kilometers
9600	24.0	16.0	11.2	08.8	kilometers
19200	19.0	11.2	08.0	06.4	kilometers
56000	16.0	09.6	06.7	04.8	kilometers

Distances will also vary by cable type, manufacturer, splices, bridge taps etc.