

RADIO DATA LINK MK22 / MK25



Specifications		
Model	MK22	MK55
Range	up to 22 km	up to 55 km
Dimensions	Air modem: 10 x 6.3 x 2.2 cm / 150 g Ground modem and antenna: 25.6 x 25.6 x 9.4 cm / 1.9 kg	
Available frequencies	800 MHz / 1.4 GHz / 2.4 GHz	
Channel width	5 MHz / 10 MHz / 20 MHz	
Modulation	OFDM	
Signal strength	30 dBm ± 1 dB	33 dBm ± 1 dB
Sensitivity	≤ -92 dBm	
Data transmission rate	up to 30 Mbps	
Antenna type	Air: Omnidirectional, 2.5 dBi Ground: Patch-antenna 12 dBi + fiberglass omnidirectional 5 dBi	
Power supply range	DC 9-28 V	
Power consumption	≤ 8.5 V	

Interfaces		
	<i>Air</i>	<i>Ground</i>
COM-port	RS232, TTL	RS232 x 2
SBUS	SBUS_OUT x 2	SBUS_IN x 2
Network ports	4-pin network interface	RJ45 (Ethernet)
Power	4-pin	XT30

Operating conditions	
Operating temperature	from -40° to +70°
Storage temperature	from -40° to +85°
Humidity	5-95%, non-condensing



RADIO DATA LINK MK100 / MK150



Specifications		
Model	MK100	MK150
Range	up to 100 km	up to 150 km
Dimensions	Air modem:: 15 x 6.2 x 2.7 cm / 240 g Ground modem and antenna: 39 x 39 x 9 cm / 3.65 kg	
Available frequencies	800 MHz / 1.4 GHz	
Channel width	5 MHz / 10 MHz / 20 MHz	
Modulation	OFDM	
Signal strength	37 dBm ± 1 dB	
Sensitivity	≤ -95 dBm	
Data transmission rate	up to 30 Mbps	
Antenna type	Air: Omnidirectional, 2.5 dBi Ground: Patch-antenna 12 dBi + fiberglass omnidirectional 5 dBi	
Power supply range	Air: DC 12-28 V Ground: DC 9-28 V	
Power consumption	≤ 15 W	

Interfaces		
	<i>Air</i>	<i>Ground</i>
COM-port	RS232, TTL	RS232 x 2
SBUS	SBUS_OUT	SBUS_IN
Network ports	4-pin network interface	RJ45 (Ethernet)
Power	4-pin	XT60

Operating conditions	
Operating temperature	from -40° to +70°
Storage temperature	from -40° to +85°
Humidity	5-95%, non-condensing

