



microwapp™ 2470

digital microwave link 24 GHz, 34 Mbps, full-duplex, Fast Ethernet 10/100 Mbps

Microwapp 2470 is a digital microwave radio link for data transmission in the 24 GHz band. It is designed to interconnect computer networks with a maximum transmission capacity of 34 Mbps in full-duplex mode. The range is up to 3 km, based on antenna size. Microwapp 2470 is supplied with 350 mm up to 900 mm diameter parabolic dish antennas including radome covers.

System configuration and diagnostics (management):

- 1) GUI software MCM Vision over RS232
- 2) telnet over IP
- 3) SNMP protocol, MIB

Microwapp 2470 set is comprised of: 2 compact antenna units with adjustable 350 mm parabolic antennas, 1x IP module for remote management of all link's points. The microwave links are set to default operating parameters and they are supplied burnt-in. The link does not require any further configuration or management after antenna direction alignment.

technical specifications

frequency band	24,05 - 24,250 GHz	
transmission capacity	max. 34 Mbit/s	frequencies are user-selectable
transmitting power	100 mW EIRP	frequency stability 5×10^{-5}
number of channels used	2 (full-duplex)	
modulation	4 FSK	channel bandwidth 14/28 MHz
polarization	"H and V" (reception and transmission)	
transmission range	350 mm parabolic antenna	1 km
	650 mm parabolic antenna	2 km
	900 mm parabolic antenna	3 km
threshold	BER= 10^{-3} -81 dBm	
	BER= 10^{-6} -80 dBm	
	BER= 10^{-9} -78 dBm	
interface	Fast Ethernet	transmission capacity reduction possible (2 Mbit/s step)
	10 BASE-T/100 BASE-TX, 100 BASE-FX	RJ 45 connector
	auto negotiation 10/100, half/full	auto-sense mdix
power supply	230 V AC / 15 V DC	power consumption 25 W
operating temperatures	-20° up to +50° C	
dimensions	230 x 370 x 140 mm	+ attached parabolic antenna
weight	13,5 kg	

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microwave link diagram

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