



Technical data

Allgon Microwave Radio 23 GHz – 1200

Frequency band	21.2 - 23.6 GHz		
Duplex frequency	1200 MHz		
Modulation	Continuous Phase Modulation		
Frequency stability	+/- 10 ppm		
Output power	-10 - +20 dBm		
Power control dB steps	> 30 dB dynamic range, software adjustable in 0.1		
Traffic capacity 17x1.544 Mbit/s	Software configurable from 2x1.544 up to		
Receiver thresholds and bandwidth (Typical thresholds)	Capacity	@BER=10E-6	Bandwidth
	2x1.544 Mbit/s	-89 dBm	2.5 MHz
	4x1.544 Mbit/s	-87 dBm	5 MHz
	8x1.544 Mbit/s	-84 dBm	10 MHz
	17x1.544	-81 dBm	20 MHz
Antenna gain	1ft	34.0 dBi	
	2ft	39.5 dBi	
Traffic interface	DS1 standard acc to ITU-T. G.703,		
Power consumption, 4x1.544 Mbit/s	< 40 W		
Power supply	20 - 70 VDC, any polarity		
Environmental robustness	According to ETSI standards		
Temperature ranges	Radio Unit -45°C to +65°C Baseband Unit -25°C to +45°C (excl. Ethernet TIU)		
Management	Physical interfaces: RS232 DTE (PC) RS232 DCE (modem) Ethernet 10BaseT Embedded Control Channel Keypad and display Local protocols Web server VT100 interface Remote protocols Built-in SNMP Web server and e-mail		
Forward error correction	Included as standard		
Dimensions (HxWxD)	Radio Unit	185x185x80 mm. (excl. handle)	
	Baseband Unit	44x483x277 mm. (1U, 19")	
	Antenna Unit 1 ft	380x380x170	
	Antenna Unit 2 ft	630x630x270	



Weight

Radio Unit
Baseband Unit
Antenna Unit

2.5 kg
3.5 kg
6.5 kg, 1 ft. including

mounting bracket