FreeMile 60

Fiber-Like Speed In Urban Connectivity

License free microwave radio

- Unlicensed, TDD Technology
- 60 GHz Frequency
- Point to point & Multipoint
- Data Encryption
- Max 3 Gbps Capacity
- Up to 6 Km / 3.5 Miles

FreeMile

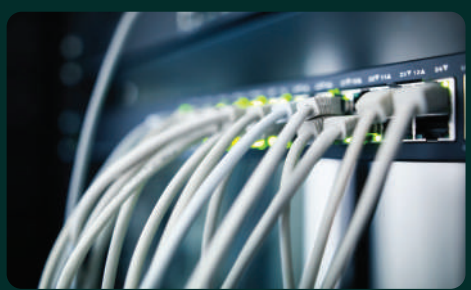
Specification

Radio	
Architecture	Modular design: Outdoor unit + optional antenna kit
Operating Modes	Access Point; Station
Max STA count per AP	Up to 32 stations
EIRP	Outdoor unit: 38 dBm
Frequency Range	57 – 71 GHz (Channels: 1 - 6)
Channel Size	Full: 2.16 GHz; Half: 1.08 GHz
Outdoor Unit	Beamforming 90° x 50° (azimuth x elevation); Antenna gain: 16 dBi
100 mm Antenna Kit	Beamforming 6° x 6° (azimuth x elevation); Gain: 33 dBi
300 mm Antenna Kit	Beamforming 2° x 2°; Gain: 42 dBi
45° Scanning Antenna Kit	Beamforming 45° x 10°; Gain: 30 dBi
90° Scanning Antenna Kit	Beamforming 90° x 10°; Gain: 30 dBi
Range	PTP: up to 6 km (300 mm antenna kit) PTMP: up to 1.6 km (Station with 100 mm antenna kit)
Modulation	MCS1 - MCS12
Encryption	AES + GCMP
Duplexing	TDD
Ethernet Data Parameters	
Number Of Ports	1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)
VLAN	Data & Management VLAN
Management	HTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful API
Ethernet Data Throughput	Up to 2.3 Gbps (half duplex)
Mechanical	
Dimensions	130 x 120 x 55 mm
Temperature	-30 °C to +55 °C / -22 °F to +131 °F
Weight	425 g
Power	
Power Consumption	8-17 W, and 41 W with PoE out in use
Power Input	Active PoE 38-57 VDC (Passive injector Iicluded)

Solutions

IoT Communications

Last Mile Internet



CCTV

For more detailed information about FreeMile products visit www.freemile.com
or contact SAF Tehnika sales info@saftehnika.com.
Product features may vary between different models and configurations.
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