FreeMile 60 Datasheet



Freemile 60 is a solution designed to efficiently utilize 60 GHz spectrum, crucial for reducing interference and maximizing coverage. Freemile 60 stands out for ability to deliver fiber-like, multi-Gigabit speeds to a significant number of users per area, all at a fraction of the cost associated with fiber deployments.

Additionally, Freemile 60 is ideally suited for creating high-speed point-to-point connections in urban environments, making it versatile for various networking needs. A key feature is proprietary TDMA scheduling protocol, which is especially beneficial for networks that require high-capacity upload bandwidth. This combination of benefits makes Freemile 60 a comprehensive solution for enhancing wireless network performance and efficiency.

¬FreeMile

Technical Specification

ModularOutdoor unit + optional antenna kitRatioOperating ModesAccess Point; StationMax STA count per APUp to 32 stationsMax STA count per APOutdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBmPrequency Range (GHz)57 – 71 (Channels: 1 - 6)Ottdoor UnitBeamforming 90° x 50° (azimuth x elevation); Antenna gain: 16 dBiOutdoor UnitBeamforming 92° x 2° (azimuth x elevation); Gain: 33 dBi300 mm Antenna KitBeamforming 92° x 2°, Gain: 42 dBi45° Scannig Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 92° x	Design	
Operating Modes Access Point; Station Max STA count per AP Up to 32 stations Max STA count per AP Outdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBm Frequency Range (GHz) 57 - 71 (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 9* x 2°; Gain: 42 dBi 45° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 9* x 10°; Gain: 30 dBi <td< td=""><td>Modular</td><td>Outdoor unit + optional antenna kit</td></td<>	Modular	Outdoor unit + optional antenna kit
Max STA count per APUp to 32 stationsMax EIRPOutdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBmFrequency Range (GHz)57 - 71 (Channels: 1-6)Outdoor UnitBeamforming 90° x 50° (azimuth x elevation); Antenna gain: 16 dBi100 mm Antenna KitBeamforming 6° x 6° (azimuth x elevation); Gain: 33 dBi300 mm Antenna KitBeamforming 2° x 2°, Gain: 42 dBi45° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitManagement90° Scanning Antenna KitManagement VLAN90° DoManagement (RJ-45) (PoE-In) x 10/1000 Eth. (RJ-45) (PoE-In) x 10	Radio	
Max EIRP Outdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBm Frequency Range (GHz) 57 ~ 71 (Channels: 1 - 6) Outdoor Unit Beamforming 90° x 60° (azimuth x elevation); Antenna gain: 16 dBi 100 mm Antenna Kit Beamforming 90° x 60° (azimuth x elevation); Gain: 33 dBi 300 mm Antenna Kit Beamforming 69° x 6° (azimuth x elevation); Gain: 33 dBi 300 mm Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 46° Scanning Antenna Kit Beamforming 90° x 10°; Gain: 30 dBi Range PTF: up to 16 km (Station with 100 mm antenna kit) Modulation MCSL+MCS12 Encryption AES + GCMP Station Scheduling TDMA: dynamic scheduling mechanism Duplexing TDD Ethernet Data Parameters 1x 10/1000/2500 Eth. (RJ-45) (PoE-In) Number OF Ports 1x 10/1000/2500 Eth. (RJ-45) (PoE-Out) VLAN Data & Management VLAN Maxagement HTTP:HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful API In-band Management Up to 2.3 Gbps (half duplex) Mechanical 130 x 120 x 55 mm Ovic to +55 °C / -22 °F to +131 °F Weight Veight 425 g	Operating Modes	Access Point; Station
Frequency Range (GHz) 57 – 71 (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 90° x 50° (azimuth x elevation); Gain: 33 dBi 300 mm Antenna Kit Beamforming 90° x 10°; Gain: 30 dBi 45° Scanning Antenna Kit Beamforming 90° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 90° x 10°; Gain: 30 dBi 8ange PTP: up to 6 km (300 mm antenna kit) PTP: up to 6 km (300 mm antenna kit) PTP: up to 1.6 km (Station with 100 mm antenna kit) Modulation MCS1-MCS12 Encryption AES + GCMP Station Scheduling TDMA: dynamic scheduling mechanism Duplexing TDMA: dynamic scheduling mechanism Duplexing TDV/1000/2500 Eth. (RJ-45) (PoE-Out) VLAN Data & Management VLAN Management HTP/HTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful API In-band Management Via LAN GUI Web Based Ethernet Data Throughput Up to 2.3 Gbps (half duplex) Metantical Str R/2 S Otimens	Max STA count per AP	Up to 32 stations
Channel Size Full: 2.18 GHz; Half: 1.08 GHz Outdoor Unit Beamforming 90° x 50° (azimuth x elevation); Antenna gain: 16 dBi 100 mm Antenna Kit Beamforming 90° x 2° (azimuth x elevation); Gain: 33 dBi 300 mm Antenna Kit Beamforming 49° x 2°; Gain: 30 dBi 45° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antenna Kit Beamforming 49° x 10°; Gain: 30 dBi 90° Scanning Antena Kit Station with 100 mm antenna kit) <td>Max EIRP</td> <td>Outdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBm</td>	Max EIRP	Outdoor unit: 38 dBm; 100 mm antenna kit 55 dBm; 300 mm antenna kit 64 dBm
Outdoor UnitBeamforming 90° x 50° (azimuth x elevation); Antenna gain: 16 dBi100 mm Antenna KitBeamforming 2° x 2°; Gain: 42 dBi300 mm Antenna KitBeamforming 4° x 2°; Gain: 30 dBi45° Scanning Antenna KitBeamforming 4°° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBiRangePTF: up to 6 km (300 rm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersNumber Of Ports1 x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1 x 10/1000/02 Eth. (RJ-45) (PoE-In) 1 x 10/100/100 Eth.	Frequency Range (GHz)	57 – 71 (Channels: 1 - 6)
100 mm Antenna KitBeamforming 6° x 6° (azimuth x elevation); Gain: 33 dBi300 mm Antenna KitBeamforming 2° x 2°; Gain: 42 dBi46° Scanning Antenna KitBeamforming 46° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBiPTP: up to 16 km (300 mm antenna kit) PTIMP: up to 16 km (301 mm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDEthernet Data ParametersNumber Of Ports1 x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1 x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData 9 Management VLANManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Meight425 gPower-30° °C to + 55 °C / -22 °F to + 131 °FWeight425 gPower Consumption8-17 W, and 41 W with PoE out in usePower Consumption8-17 W, and 41 W with PoE out in usePower Consumption8-17 W, and 41 W with PoE out in usePower ConsumptionActive PoE 38-67 VDC (passive injector included)Power ConsumptionActive PoE out w/max 0.5A	Channel Size	Full: 2.16 GHz; Half: 1.08 GHz
300 nm Antenna KitBeamforming 2° x 2°; Gain: 42 dBi45° Scanning Antenna KitBeamforming 40° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBi80° Scanning Antenna KitMcS1-McS1280° Scanna KitMcS1-McS1280° Scanna KitMcS1-McS1280° Scanna KitMcS1-McS1280° Scanna KitMcS1-McS1280° Scanna KitMcS1-McS1280° Scanna KitMcS1-McS12<	Outdoor Unit	Beamforming $90^{\circ} \times 50^{\circ}$ (azimuth x elevation); Antenna gain: 16 dBi
45° Scanning Antenna KitBeamforming 45° x 10°; Gain: 30 dBi90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBiPangePTP: up to 6 km (300 mm antenna kit) PTMP: up to 1.6 km (Station with 100 mm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersIt 10/1000/2500 Eth. (RJ-45) (PoE-In) 1 x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMaxagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C /-22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoeE-Output PowerPassive POE out w/max 0.5A	100 mm Antenna Kit	Beamforming 6° x 6° (azimuth x elevation); Gain: 33 dBi
90° Scanning Antenna KitBeamforming 90° x 10°; Gain: 30 dBiRangePTP: up to 6 km (300 mm antenna kit) PTMP: up to 1.6 km (Station with 100 mm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDMBurnet Data ParametersNumber Of Ports1 x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1 x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData 8 Management VLANMaagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2 x RJ-45Temperature-30° to + 15° C / -22 °F to + 131 °FWeight4 25 gPower Onsumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoeE-Output PowerPassive PoE out w/max 0.5A	300 mm Antenna Kit	Beamforming 2° x 2°; Gain: 42 dBi
RangePTP: up to 6 km (300 mm antenna kit) PTMP: up to 1.6 km (Station with 100 mm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData 8 Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical30 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	45° Scanning Antenna Kit	Beamforming 45° x 10°; Gain: 30 dBi
PTMP: up to 1.6 km (Station with 100 mm antenna kit)ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechaniceal30 x 120 x 55 mmPorts2x RJ-45Temperature30 °C to + 55 °C / -22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive POE out w/max 0.5A	90° Scanning Antenna Kit	Beamforming 90° x 10°; Gain: 30 dBi
ModulationMCS1-MCS12EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersIn 10/1000/2500 Eth. (RJ-45) (PoE-In) 1 x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Ports130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive POE out w/max 0.5A	Range	PTP: up to 6 km (300 mm antenna kit)
EncryptionAES + GCMPStation SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2 x RJ-45Temperature-30 °C to +55 °C /-22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A		PTMP: up to 1.6 km (Station with 100 mm antenna kit)
Station SchedulingTDMA: dynamic scheduling mechanismDuplexingTDDEthernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Modulation	MCS1-MCS12
DuplexingTDDEthernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Encryption	AES + GCMP
Ethernet Data ParametersNumber Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower900 C to 455 °C / 000 C to 100 C	Station Scheduling	TDMA: dynamic scheduling mechanism
Number Of Ports1x 10/1000/2500 Eth. (RJ-45) (PoE-In) 1x 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)Mechanical130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower	Duplexing	TDD
Ix 10/100/1000 Eth. (RJ-45) (PoE-Out)VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalI30 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C /-22 °F to +131 °FWeight425 gPowerPower Consumption8-17 W, and 41 W with PoE out in usePoet-Output PowerPassive PoE out w/max 0.5A	Ethernet Data Parameters	
VLANData & Management VLANMax MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalJan x120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower-30 °C to +55 °C / -22 °F to ±131 °FPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Number Of Ports	1x 10/1000/2500 Eth. (RJ-45) (PoE-In)
Max MTU size7900 bManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalJob 2.3 Gbps (half duplex)Dimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPowerPowerPower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive POE out w/max 0.5A		1x 10/100/1000 Eth. (RJ-45) (PoE-Out)
ManagementHTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful APIIn-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalInternationalDimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPowerPowerPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	VLAN	Data & Management VLAN
In-band ManagementVia LANGUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalI30 x 120 x 55 mmPorts130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPowerPowerPower Consumption8-17 W, and 41 W with POE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive POE out w/max 0.5A	Max MTU size	7900 b
GUIWeb BasedEthernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalDimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower-30 °C to +55 °C / -22 °F to +131 °FPower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive POE out w/max 0.5A	Management	HTTP/HTTPS, SSH, SNMP v1(traps only)/v2/v3; RESTful API
Ethernet Data ThroughputUp to 2.3 Gbps (half duplex)MechanicalDimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPowerSecond 41 W with POE out in usePower Consumption8-17 W, and 41 W with POE out in usePower InputActive POE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	In-band Management	Via LAN
MechanicalDimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower9000000000000000000000000000000000000	GUI	Web Based
Dimensions130 x 120 x 55 mmPorts2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower90wer Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Ethernet Data Throughput	Up to 2.3 Gbps (half duplex)
Ports2x RJ-45Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower8-17 W, and 41 W with PoE out in usePower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Mechanical	
Temperature-30 °C to +55 °C / -22 °F to +131 °FWeight425 gPower8-17 W, and 41 W with PoE out in usePower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Dimensions	130 x 120 x 55 mm
Weight425 gPower8-17 W, and 41 W with PoE out in usePower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Ports	2x RJ-45
PowerPower Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Temperature	-30 °C to +55 °C / -22 °F to +131 °F
Power Consumption8-17 W, and 41 W with PoE out in usePower InputActive PoE 38-57 VDC (passive injector included)PoE-Output PowerPassive PoE out w/max 0.5A	Weight	425 g
Power Input Active PoE 38-57 VDC (passive injector included) PoE-Output Power Passive PoE out w/max 0.5A	Power	
PoE-Output Power Passive PoE out w/max 0.5A	Power Consumption	8-17 W, and 41 W with PoE out in use
	Power Input	Active PoE 38-57 VDC (passive injector included)
Lightning Protection IEC 61000-4-5	PoE-Output Power	Passive PoE out w/max 0.5A
	Lightning Protection	IEC 61000-4-5

For more detailed information about FreeMile products visit www.freemile.com or contact your SAF Tehnika representative info@saftehnika.com Product features may vary between different models and configurations. They are subject to change without prior notice. © SAF Tehnika 2025

