Data sheet
Dual Band Wi-Fi 6 Cellular Outdoor Access Point

Features

The rugged Wi Fi 6 Outdoor Access Point has been designed with an IP67 housing to operate in harsh outdoor weather conditions. With Dual Band Dual Concurrent 2 x 2 MU MIMO, the access point delivers a maximum total aggregate link rate of 1.8 Gbps. Multi-WAN connectivity with ultra-fast sub-6 5-GNR cellular, Gigabit Ethernet and SFP+ ports supported for broadband backhaul. The Ethernet/SFP+ WAN and 5 GNR are configurable for a WAN failover design and provide a solid connection to the backbone. The Ethernet interface is combined with PoE ++ (Power over Ethernet), eliminating the need for an additional power cable during installation.

Technical Specifications

Wi-Fi Interface

Standards	2.4 GHz 802.11b/g/n/ax 5 GHz 802.11a/n/ac/ax
Radio chains	2x2
Spatial streams	2
Performance	2.4 GHz: up to 573.5 Mbps 5 GHz: up to 1201 Mbps
Maximum transmit power	2.4 GHz: Up to 27 dBm (combined power) 5 GHz: Up to 26 dBm (combined power) Maximum power is limited by local regulatory requirements
Minimum receiver sensitivity	2.4 Ghz 802.11n (HT20): -91 dBm @ MCS0 -71 dBm @ MCS15 2.4 Ghz 802.11n (HT40): -88.5 dBm @ MCS0 -70 dBm @ MCS15 5 Ghz 802.11ac (VHT40): -86.5 dBm @ MCS0NSS1 -61 dBm @MCS9NSS2 5 Ghz 802.11ac (VHT80): -82 dBm @ MCS0NSS1 -60 dBm @ MCS9NSS2
Number of clients	Up to 128 per radio
ESSIDs	Up to four per radio

LTE / 5G

Cellular Standard	5G Sub6 FDD: n1, n3, n5, n7, n8, n20, n25, n28, n66
	5G Sub6 TDD: n38, n40, n41, n77, n78, n79
	LTE :B1, B2, B3, B5, B7, B8, B11, B18, B19, B20, B21, B25, B26, B28, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66 3G(HSPA+, WCDMA): B1, B2, B5, B8
	GNSS: GPS/QZSS,Glonass, Galileo
Data Rate	5G Sub6: > 2 Gbps (DL) DL 4x4 MIMO (bands > 1GHz) DL 2x2 MIMO (bands < 1GHz) UL 2*2 MIMO n41/n77/n78/n79
	LTE: UL Cat 18: 2CC intra band contiguous and 2CC Inter band, 256QAM DL Cat 20: up to 7CC @ 20 Layers in 5 Bands DL 4x4 MIMO (bands > 1GHz)

	DL 2x2 MIMO (bands < 1GHz)
Region	EMEA (Europe, Middle East, Africa APAC (Asia-Pacific)

Antenna

Number / type of antennas	2x internal 2.4 GHz WiFi antennas 2x internal 5 GHz WiFi antennas 6x internal 5 GNR antenna (incl. GPS)

Ethernet Copper Interface

Number	2
Type	Gigabit Ethernet, 1x 100/1000Base-T, 1x 100/1000Base-T PoE++ PD
Connector	RJ-45
Power-over-Ethernet	Powered Device (PD) IEEE 802.3at

Ethernet Fiber Interface

Number	1
Type	1x Gigabit Ethernet SFP+ slot

LEDs

Device LED	1x RGB LED

Power Supply

Input voltage	PoE++ 802.3bt PD
Power consumption	26 W

Environmental Conditions

Operation temperature	-30..+70 °C
Humidity	10..95%, non-condensing

Mechanic

Dimensions (in mm)	238 x 122 x 368 (W x D x H, without connectors)
Material	metal
Weight	Approx. 2.1 Kg
Installation	Pole and wall mounting
Ingress protection	IP67

Firmware Features

System Management

- WEB GUI
- SNMP
- SSH
- Automatic provisioning
- Zero touch deployment
- Remote troubleshooting
- XMPP
- FOTA

LAN

- Router/Access Point/ Extender Mode
- VLAN (IEEE 802.1Q)
- DHCP/PPPoE/Static IP
- IPv4/IPv6 Dual Stack
- Multi-Wan Failover
- QoS

Wi-Fi

- Mesh Controller / Agent
- Multiple SSIDs
- WMM Queues Priority
- Access Control
- Client Authentication Protocol
- WPA2/WPA3 Enterprise/Personal
- Beamforming
- Airtime Fairness
- Client Isolation
- MU-MIMO
- OFDMA
- PMC Caching
- DFS
- Wireless Scheduler

Monitoring

- AP/Client Monitoring
- Visualization & Report for AP
- Location Service and Network Map
- Data Monitoring and Notification
- System Performance Monitoring
- Logs Monitoring
- Client Statistics and Detection

Security

- Unique password per unit
- RADIUS support
- ALGs
- MAC Address Filtering
- WEB/IP/URL/content filtering
- Service Filtering
- Security boot loader
- Image signature

Pictures

Order Information

Description	Article-No.:
Dual Band Wi-Fi 6 Cellular Outdoor Access Point	
Dual Band Wi-Fi 6 Cellular Outdoor Access Point 2.5 / 5 GHz Wi-Fi 1x 100/1000Base-T, 1x 100/1000Base-T PoE++ PD, 1x 1000Base-X SFP slot, managed, -30..+70°C	**MS659152M**