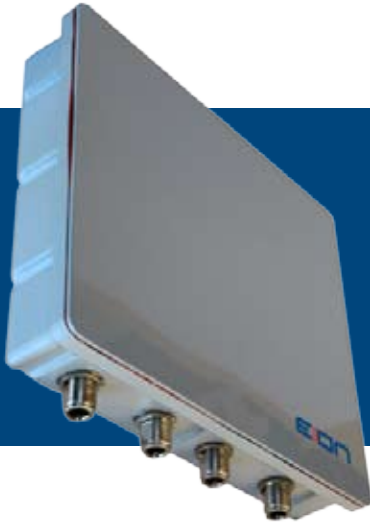


StarAccess 200

Dual Band 2.4/5.8 GHz Outdoor WiFi Access Point



DUAL
BAND
2.4/5.8

OVERVIEW

StarAccess is a dual-band 2.4/5GHz 802.11n WiFi Access Point that provides outdoor WiFi coverage at signalling rates up to 300 Mbps. StarAccess 200 is designed to serve densely populated locations such as arenas, shopping malls and transportation hubs - Anywhere large numbers of people are congregating with WiFi enabled mobile devices.

For connection into the network the Gigabit ethernet interface on the StarAccess 200 can connect to a wired backbone, or seamlessly to an EION StarPlus network for wireless backhaul.

EION StarAccess can be configured as a standalone access point, or as part of a group of APs managed by EION's Network Controller. With up to eight different SSIDs per AP, StarAccess products can form a powerful 3G/4G offload solution for service providers and enterprises.

The 4xNtype connectors can be used to connect a variety of sectoral and omni antennas for a range of coverage options.

StarAccess is packaged in a fully ruggedized IP67 rated metal enclosure for stable operation in all environmental conditions.

PRODUCT FEATURES

- Outdoor AP supports dual-band operation in 2.4 GHz & 5.8 GHz
- Support for IEEE802.11a/b/g/n client devices
- Up to 300 Mbps data rate per radio
- Operates as standalone AP, or as part of a managed Campus Network or Offload Solution
- 2 x 2 Spatial Diversity MIMO (Multiple-In/ Multiple Out) antenna with high receive sensitivity
- GigE interface for connection to StarPlus for flexible backhaul options
- Variety of antenna options: SISO/MIMO in 60°, 90°, 120° and 360° (Omni)
- Total 8 SSIDs - Enable operators to create tiered services to different user or traffic types
- Remote software upgradable
- Ruggedized outdoor enclosure, IP67 for operation in harsh environmental conditions

ORDERING INFORMATION

Product Name	Product Description	Product Code
StarAccess 200	Dual Band 2.4/5 GHz Outdoor WiFi Access Point	9150-0010

DATASHEET

StarAccess 200

Radio							
Topology	Standard Wireless LAN Topology (Multiple Modes Supported)						
Antennas	2 x 2 MIMO per radio						
Frequency*	802.11, 2.4 GHz and 5.8 GHz						
Channel Size	Normal: 20 MHz; Turbo: 40 MHz						
Modulation	Standard 802.11 rates; MCS 0 to 15 (6.5 to 300 Mbps); BPSK, QPSK, 16-QAM and 64-QAM						
RF Connectors	4x N-type antenna connectors						
Output Power*	For 5.8 GHz: up to +26 dBm configurable in 1dB steps For 2.4 GHz: up to +20 dBm configurable in 1dB steps						
Receiver Sensitivity (BER = 10 ⁻⁶) +/- 2dB	Modulation	20 MHz	40 MHz		Modulation	20 MHz	40 MHz
	MCS0- BPSK	-95 dBm	-92 dBm		MCS8- BPSK	-95 dBm	-92 dBm
	MCS1 - QPSK1/2	-93 dBm	-90 dBm		MCS9 - QPSK1/2	-93 dBm	-90 dBm
	MCS2 - QPSK3/4	-90 dBm	-87 dBm		MCS10 - QPSK3/4	-90 dBm	-87 dBm
	MCS3 - 16-QAM1/2	-89 dBm	-84 dBm		MCS11 - 16-QAM1/2	-89 dBm	-84 dBm
	MCS4 - 16-QAM2/3	-85 dBm	-81 dBm		MCS12 - 16-QAM2/3	-85 dBm	-81 dBm
	MCS5 - 64-QAM2/3	-81 dBm	-77 dBm		MCS13 - 64-QAM2/3	-81 dBm	-77 dBm
	MCS6 - 64-QAM3/4	-79 dBm	-76 dBm		MCS14 - 64-QAM3/4	-79 dBm	-76 dBm
	MCS7 - 64-QAM5/6	-75 dBm	-74 dBm		MCS15 - 64-QAM5/6	-75 dBm	-74 dBm
	Duplexing Format	TDD, Half-Duplex					
Spectral Efficiency	3.75 bits per Hertz						
Network Support							
Medium Access Control	Standard 802.11 a/b/g/n						
Network Connection	Auto MDI-X RJ45 10/100/1000Mbps Ethernet, Auto negotiation						
Traffic Management	Standard WMM						
MAC Filtering	Filtering through Standard MAC address						
DHCP	DHCP server in AP controlling wireless side, NAT						
IPv6	IPv6 pass through in bridge mode						
Wireless Networking							
Output Power Management	Manual						
SSID	8 total - 4 for 2.4 GHz and 4 for 5.8 GHz						
Security							
Management Access	Username and Password						
Encryption	WEP (64, 128, 154), WPA1 (TKIP), WPA2 (CCMP - AES 128, CBC-MAC for headers)						
Management							
Remote Management	Web-GUI, SNMPv2						
Management Access	Over the Air/Wired						
Installation Management	Easy installation						
Backup Configuration	Download backup configuration files						
Software Upgrade	Web-GUI						
Physical, Electrical & Environmental							
Mounting Bracket	Yes, 2-Axis pole/wall						
Power Consumption	< 10 W						
Input Voltage	100-240V, 50/60 Hz AC with 48V PoE 802.3af						
Operating Temperature	-30° C to +70° C						
Environmental	RoHS and WEEE						
Enclosure	Single Unit, Die Cast NEMA 4x; IP67						
Relative Humidity	0 to 100%, condensing						
Radio Certifications	FCC						
Lightning Protection	Yes, Built-in ESD						
Dimensions	230 mm x 230 mm x 65 mm						
Weight	2.0 kg						

*Available transmit power (Actual transmit power may vary based on local regulations and selected modulation)

