PulseSupply
pulsesupply.com

StarAccess™

WiFi Coverage. Everywhere.

A high-powered, dual-band 2.4/5.8GHz WiFi Access Point that provides more than 3 km of WiFi coverage at data rates up to 300 Mbps. StarAccess integrates with StarPlus for seamless backhaul.
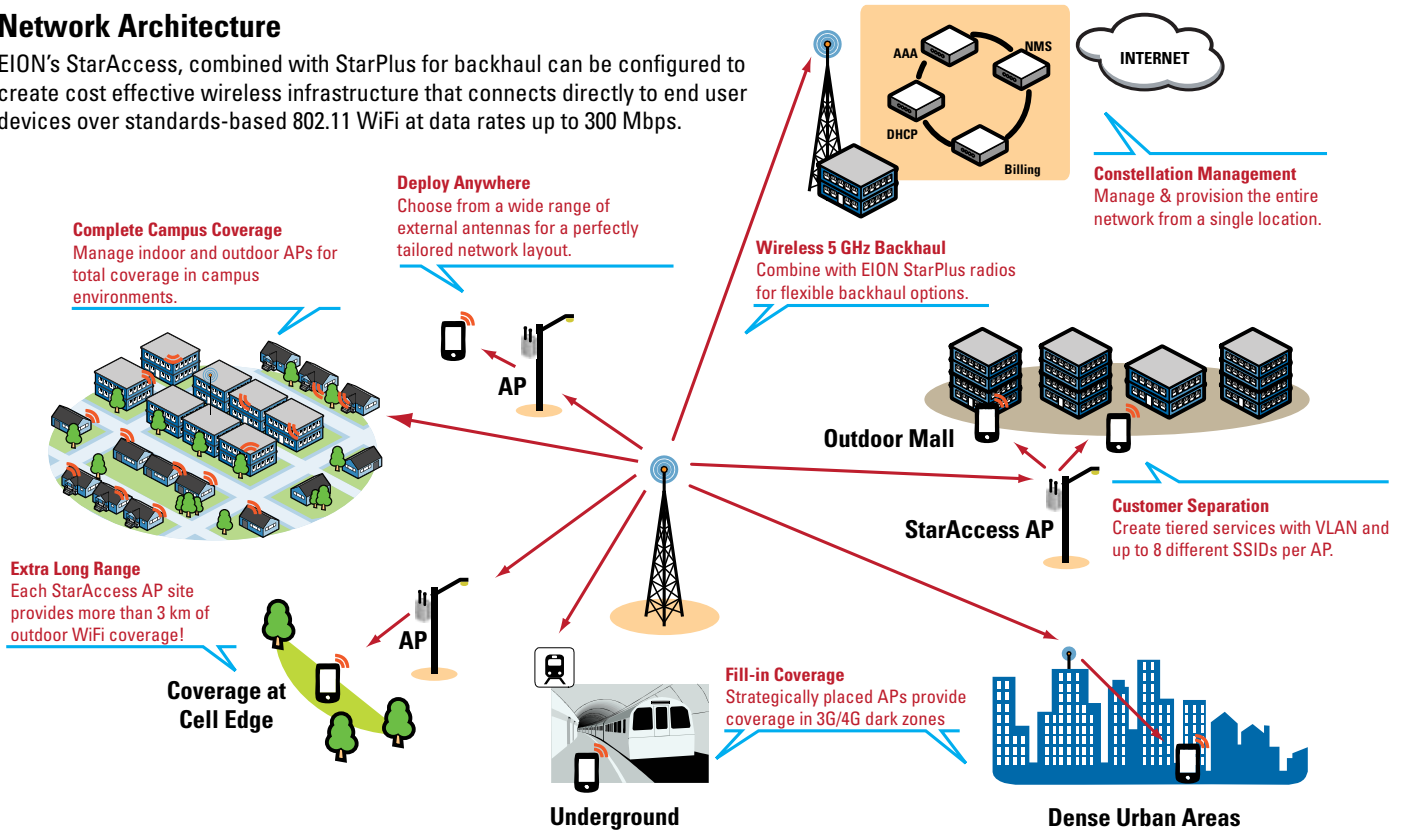
Key Product Features

- 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.

- Dual-polarity MIMO (Multiple-In/Multiple Out) antenna with high receive sensitivity. Capable of more than 3 km of WiFi coverage.

- Integrated with EION Constellation Management Software; FCAPS, CLI, GUI and SNMP support.

- Advanced network features include VLAN, DHCP client/server, RADIUS support and port sensing.

- Ethernet bridging at Gigabit speeds 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.

INTELLIGENCE IN THE AIR

StarAccess™

Network Architecture

EION's StarAccess, combined with StarPlus for backhaul can be configured to create cost effective wireless infrastructure that connects directly to end user devices over standards-based 802.11 WiFi at data rates up to 300 Mbps.

Complete Campus Coverage
Manage indoor and outdoor APs for total coverage in campus environments.

Deploy Anywhere
Choose from a wide range of external antennas for a perfectly tailored network layout.

Wireless 5 GHz Backhaul
Combine with EION StarPlus radios for flexible backhaul options.

Constellation Management
Manage & provision the entire network from a single location.

AAA NMS
INTERNET
DHCP
Billing

AP

Outdoor Mall

StarAccess AP

Customer Separation
Create tiered services with VLAN and up to 8 different SSIDs per AP.

Extra Long Range
Each StarAccess AP site provides more than 3 km of outdoor WiFi coverage!

AP

Coverage at Cell Edge

Fill-in Coverage
Strategically placed APs provide coverage in 3G/4G dark zones

Underground

Dense Urban Areas

StarAccess Model Comparison

EION StarAccess is available in different models to suit operator requirements. StarAccess 200 is a short range option for deployment in dense urban locations where APs will be in close proximity. StarAccess 1000 and StarAccess 2000 have powerful amplifiers and an extremely high receive sensitivity for extended WiFi range and large coverage area.

	StarAccess 200	StarAccess 1000	StarAccess 2000
Dual Band - 5.8/2.4 GHz	✓	✓	✓
Typical Range (with 8dBi Omni Antenna)	200m radius (Dense Deployment)	750m radius (Medium Range)	1500m radius (Long Range)
Over the Air Data Rate	300 Mbps per radio	300 Mbps	300 Mbps
SSIDs	8 total, 4 per radio	8 total, 4 per radio	8 total, 4 per radio
Built-in Surge Protection	✓	✓	✓
Antenna Ports	4 x N-type	4 x N-type	4 x N-type
10/100/1000 BaseT Gigabit Ethernet Interface	✓	✓	✓
Ruggedized IP67 Enclosure	✓	✓	✓
EION Constellation Management Support + GUI, CLI and SNMP	✓	✓	✓

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