

# Smart-Reach® Base For the Office

Smart-Reach multi-service wireless access points (AP) bring intelligence to the network edge, providing scalable, seamless wireless access anywhere, anytime. Unlike the “thin” or “lite” APs you find in home solutions, the Smart Reach AP feature set is comprehensive and adaptable, dispensing multiple network services, enforcing robust security and delivering high-performance access. An integral component of the Smart-Reach solution, APs support a plug-and-play automatic configuration and ongoing central control, providing the highest degree of configurability and ease of management.

- High-performance application delivery
- Anywhere, anytime Wi-Fi coverage
- Rock-solid WLAN security
- Simplified management



smartreach  
wifi

## Anywhere, anytime Wi-Fi coverage

Smart-Reach APs provide wireless coverage where you need it, when you need it. Our single- and dual-radio APs offer organizations unmatched flexibility to design and deploy their WLANs to suit their application needs. Indoor and outdoor models provide full choice to configure APs to support the exact desired combination of wireless client access and traffic backhaul.

### Coverage features:

- Single- and dual-radio 802.11a/b/g and 802.11n access points
- Per-radio software-selectable configuration of the 2.4 GHz and 5 GHz frequency bands
- Plenum-rated or NEMA-rated enclosures for indoor and outdoor wireless coverage
- Self-healing, self-optimizing Local Mesh extends network availability to areas without an Ethernet infrastructure
- Wi-Fi Alliance certified for interoperability with all 802.11a/b/g/n client devices

#### 1 Mobile DVR



#### 2 Industrial wireless technology



#### 3 Scalable video management software



## High-performance application delivery

Smart-Reach multi-service access points satisfy the most demanding enterprise and service providers with the most comprehensive set, most flexible set of network services and application delivery options available in today's wireless market.

Seon's APs enhance application performance and enforce network policies at the wired/wireless boundary based on identity- and community-based profiles. Smart-Reach's ability to optimally deliver discrete services with traffic prioritization, network resource utilization and security policies greatly multiplies the flexibility and value of the wireless infrastructure in providing source-to-destination delivery of data and video applications.

### Application delivery features:

- Direct source-to-destination traffic forwarding to maximize application delivery
- Up to 16 virtual service communities (VSCs), each with a unique SSID and MAC address
- Each VSC independently configurable for authentication, encryption, VLANs, and up to four QoS levels
- TOS/DiffServ and 802.1p for end-to-end QoS across wired and wireless networks
- Additional QoS classification based on TCP/UDP port
- Wireless MultiMedia (WMM) interoperates with QoS devices

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## Simplified management

The Smart-Reach solution incorporates a comprehensive feature set designed to reduce the time and complexity of managing a wireless network. Plug-and-play technology allows Smart-Reach to discover and configure APs for an effortless installation. Centrally-controlled firmware updates and configuration changes reduce overall system errors and operating costs. In addition, Smart-Reach APs incorporate comprehensive RF tuning, monitoring and troubleshooting tools to maximize wireless network and system performance.

### Management features:

- Network Management System and 3rd-party management systems)
- Auto-selection of RF channel and transmit power
- Per-client event log of 79 association, security and DHCP activities for easy diagnosis
- PCAP packet capture on WLAN or LAN interface
- SNMP, CLI, and web-based management interfaces for integration with third party, standards-based network management systems (autonomous mode)

## Unparalleled investment protection

Smart-Reach integrate Wi-Fi traffic directly onto the LAN right at the network edge, creating optimum application performance over the network infrastructure. APs forward the bulk of wireless traffic from source to destination without injecting a detour to the controller, enabling traffic to flow along the shortest path. It is this distributed data forwarding method that makes the Smart-Reach solution such a strong investment protection choice, not only because it makes the most efficient use of the LAN backbone, but also because it enables a significant cost-effective migration to new, higher speed Wi-Fi technologies, such as 802.11n.

### Investment protection features:

- Wi-Fi certified for interoperability with a broad range of 802.11 devices

## Rock-solid WLAN security

As the first line of the Smart-Reach defense-in-depth security solution, APs safeguard confidential network traffic by enforcing policies at the network perimeter. Robust client authentication, data encryption, filtering and VLAN tagging are applied on a per-user basis, ensuring complete integrity for all traffic that traverses the LAN infrastructure. In addition, dual-radio APs with dedicated RF sensors blanket the wireless environment, automatically identifying and blocking wireless vulnerabilities, such as rogue APs, attachments to neighboring network and AP misconfigurations — without compromising network performance.

### Security features:

- Enforcement of client authorization based on user credentials (802.1X/EAP), hardware identifiers (MAC address, WEP key), and HTML login
- Hardware-assisted encryption using WPA2/AES (IEEE 802.11i), WPA/RC4 and/or WEP
- Simultaneous detection and prevention of wireless threats on 2.4 GHz and 5 GHz frequency bands
- Dedicated RF sensor and dedicated client access eliminate time-slicing
- Management communication via SSH/SSL, IPSec, and digital certificates
- Kensington lock for physical security or outdoor model

	Single radio	Dual radios
802.11 Radio(s)	a/b/g	a/b/g + a/b/g
Enclosure(s)	Indoor SRB1GS Outdoor SRB1GW	Indoor SRB2GS Outdoor SRB2GW
Operating Modes	Client Access, Local Mesh, Packet Capture	Client Access, Local Mesh, Packet Capture