



EAP-3660 Sales kit

August, 2008



Senao Networks, Inc.



EAP-3660 Multi-function AP

2.4GHz Wireless Multi-function AP/ WDS/Repeater

- Fashion Design & Integrated 4dBi antenna

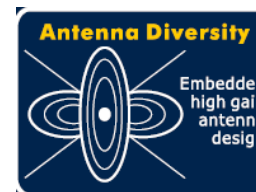
- Product Features highlight
- Application
- Easy to setup and install
- Product Specification
 - HW spec
 - SW spec
 - Antenna design
- Competitor comparison





Product Features Highlight

- High output power up to **28dBm**, transmit power control
- Super G support, high speed data rate up to **108Mbps**
- **Repeater / WDS** mode support
- Differentiated services with **multiple SSIDs**
- **Antenna diversity** with embedded high gain antenna design
- **802.3af PoE** support
- **QoS** (WMM) support





Application



Hotel



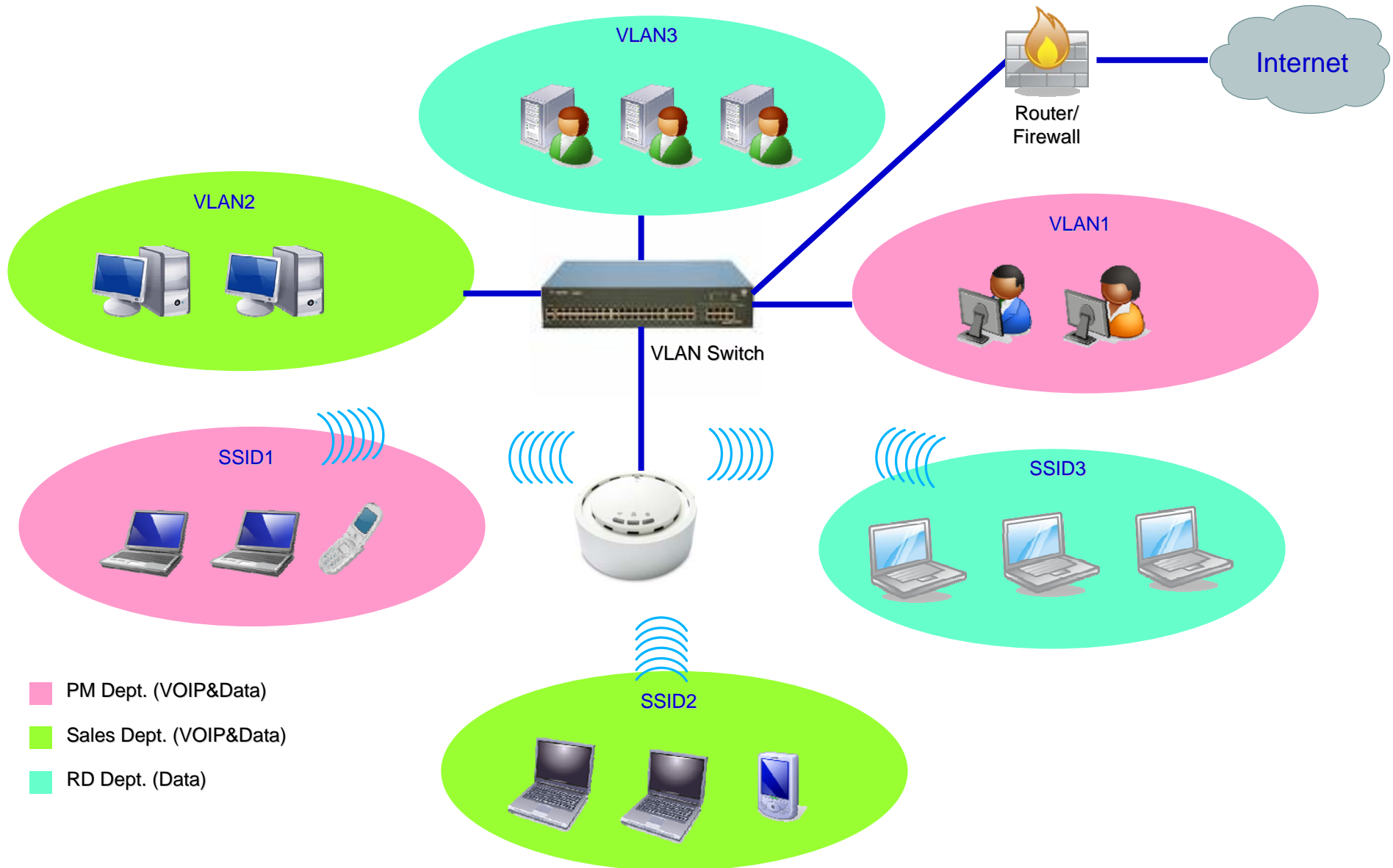
Classroom



Meeting Room

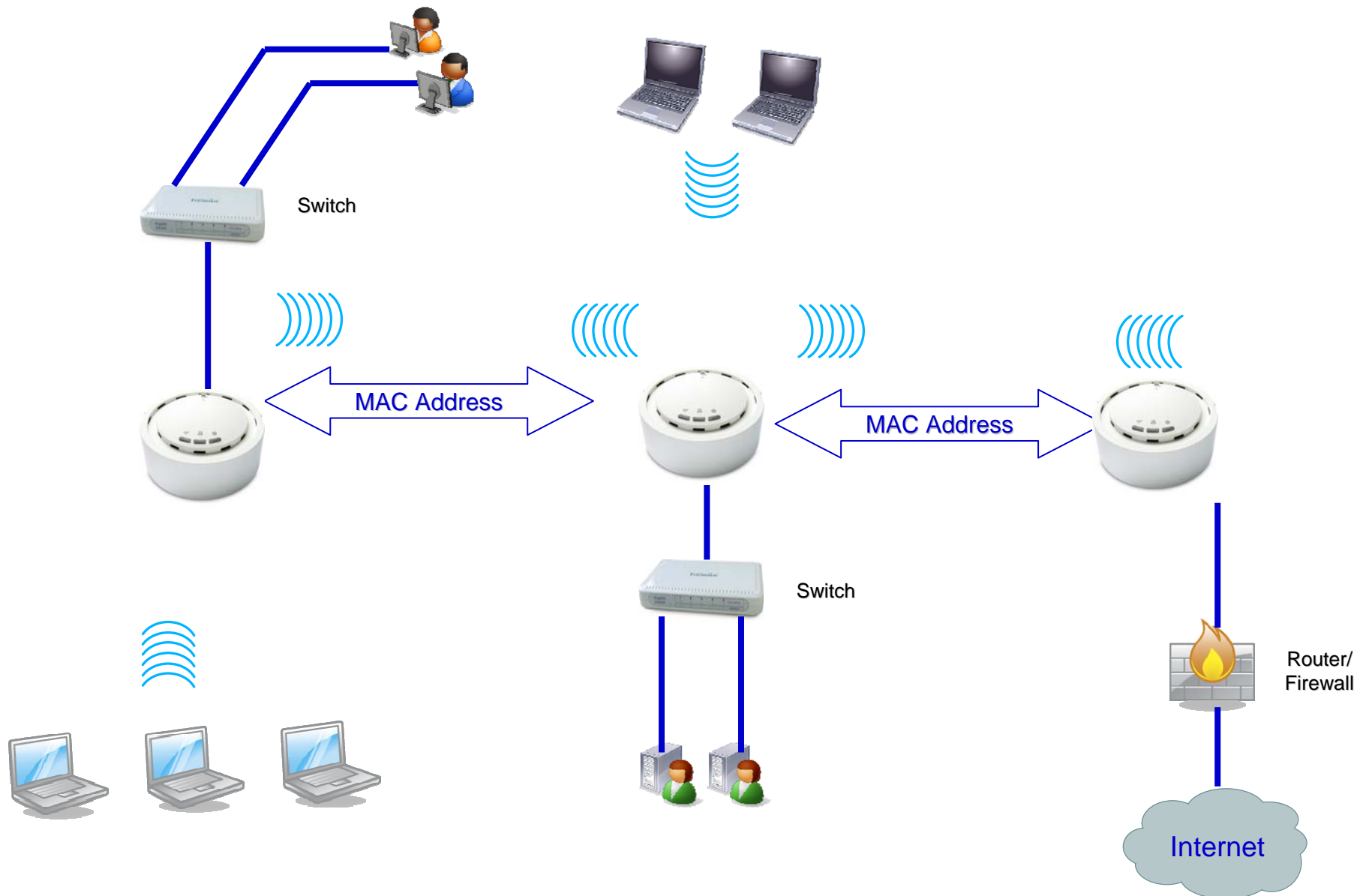


Multi-function: Access Point with MSSSID/ VLAN





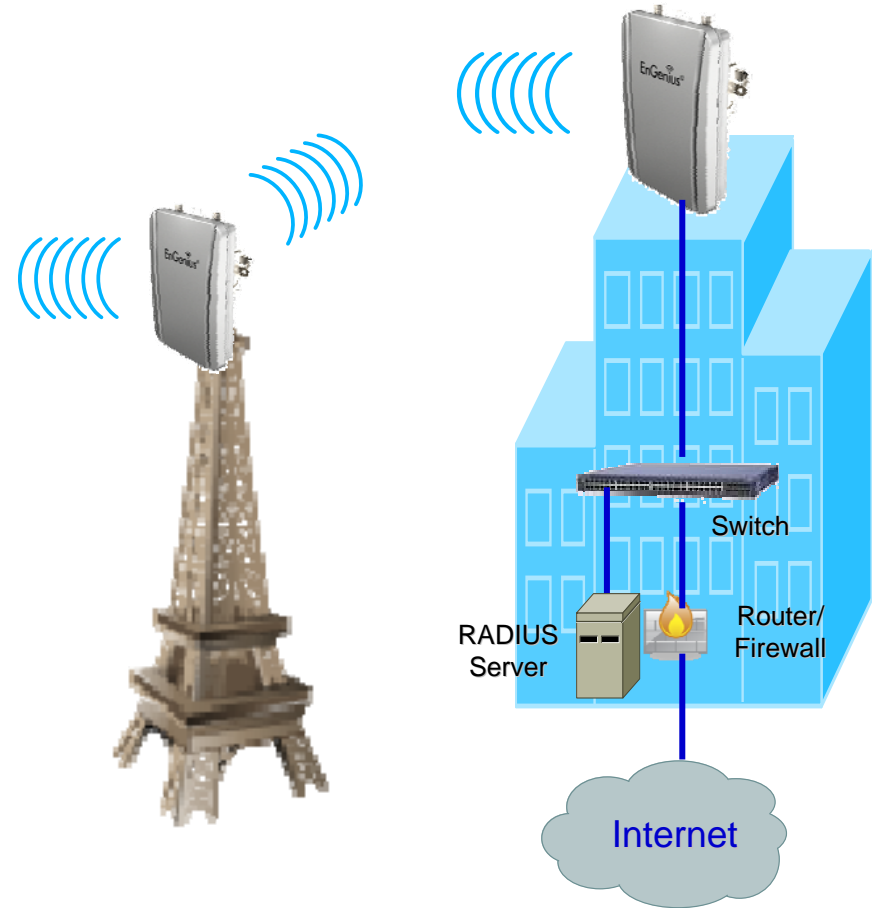
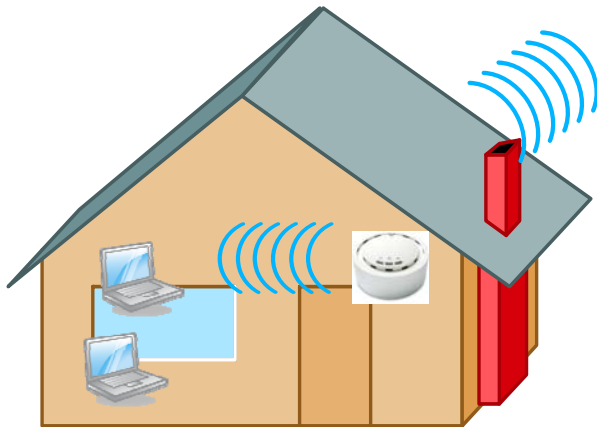
Multi-function: WDS AP





Multi-function: Universal Repeater

Range Extender using
the same SSID





Physical Setup





Product Specification

- **Model Name:** EAP-3660
 - IEEE 802.11b/g
 - RF Output Power up to 28 dBm
 - Internal full range 4dBi antenna
 - Support Diversity function
 - 802.3af PoE support

- **System Architecture:**
 - CPU: AR2316 SoC with built in 2.4GHz radio
 - Memory
 - Flash: 4MB
 - DRAM: 16MB
 - Interface
 - 10/100BaseT Ethernet*1
 - JTAG (for debugging purpose)



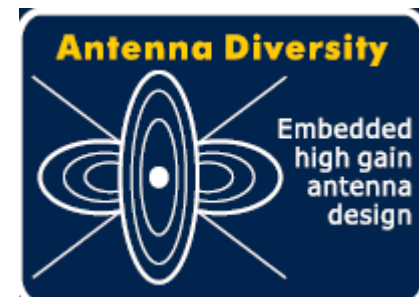
Software Features

- **Operating mode**
 - Access Point
 - WDS
 - Repeater
- **Security**
 - WPA / WPA2/ WEP Encryption support
 - 802.1x Authentication support
 - Hide SSID
 - L2 Isolation
 - MAC address filtering (up to 50)
 - Multi-SSID (4 SSID)+VLAN tagging
- **Management**
 - SNMP v1/v2c, MIB I/II and Private MIB Support
 - Telnet/ Web configuration
 - Remote HTTP Management



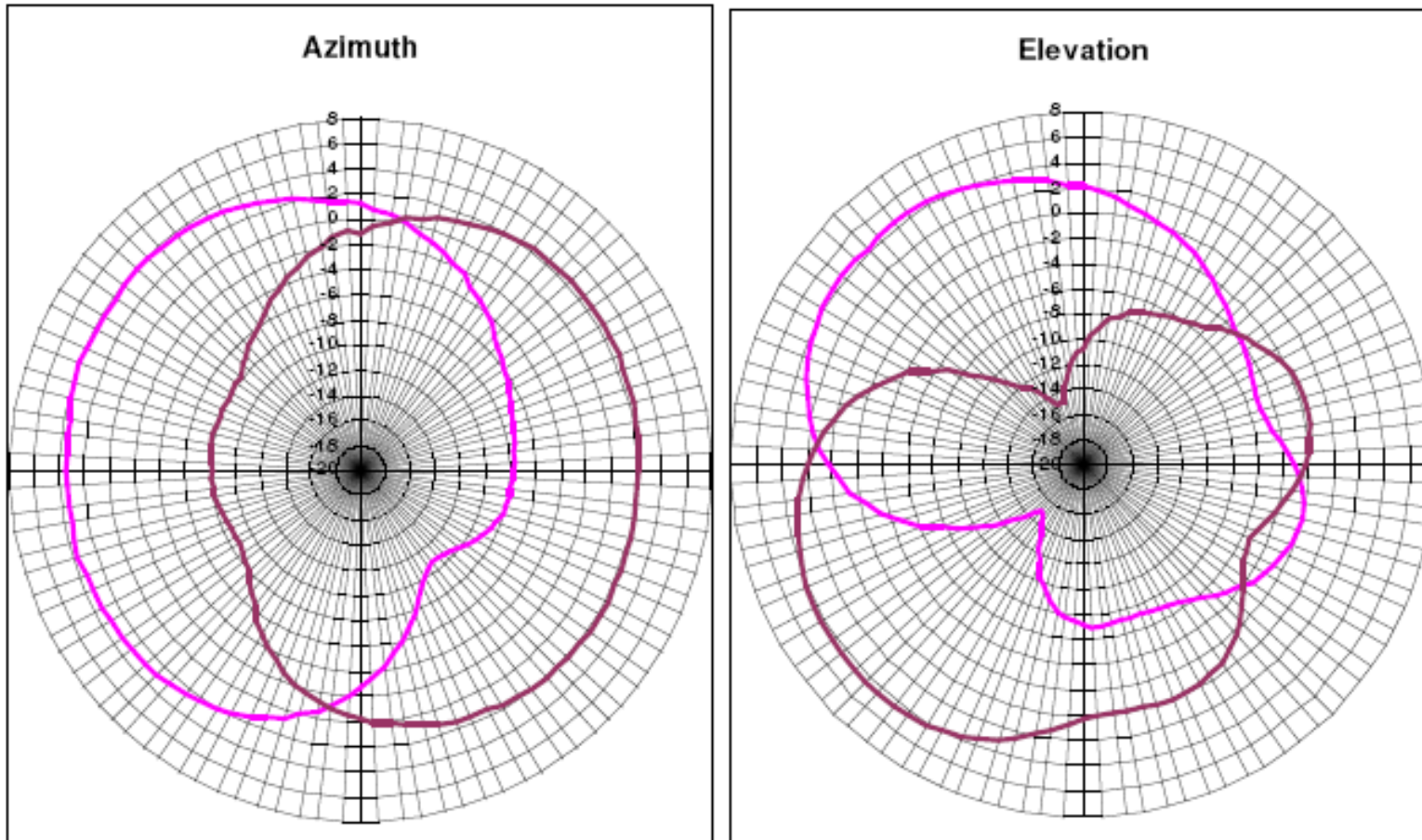
Distinguished Antenna design

- Using highly innovative, MIMO-like technology to improve the performance of embedded antenna.
- Highly directional, high gain and high isolation.
- Range and throughput boost
- Two independent and highly directional beams with excellent front-to-back ratio.
(Enhance channel modes and SNR)





Radiation Patterns





Main Competitor



EAP-3660



DWL-3140AP



Comparison- Specification

Hardware/ RF

Model Name	EAP-3660	DWL-3140AP
Description	Atheros	Atheros
Hardware		
SDRAM	16MBytes	N/A
FLASH	4MBytes	N/A
Interface	1* 10/100Mbps FE	1* 10/100Mbps FE
RF_Tx		
11g (MAX.)	27dBm@6~24Mbps	18dBm
	26dBm@36Mbps	
	24dBm@48Mbps	
	23dBm@54Mbps	
11b (MAX.)	28dBm@1~11Mbps	18dBm
RF_Rx		
11g	-94dBm@6Mbps -88dBm@24Mbps -78dBm@48Mbps -75dBm@54Mbps	N/A
11b	-98dBm@1Mbps -97dBm@2Mbps -96dBm@5.5Mbps -93dBm@11Mbps	N/A
Antenna	Internal 4dBi x2	Internal
Power Supply	12V	5V
POE	Y	Y
Operating Temp.	0~45C	0~40C
Operating Humidity	5~95%	5~95%



Comparison- Specification

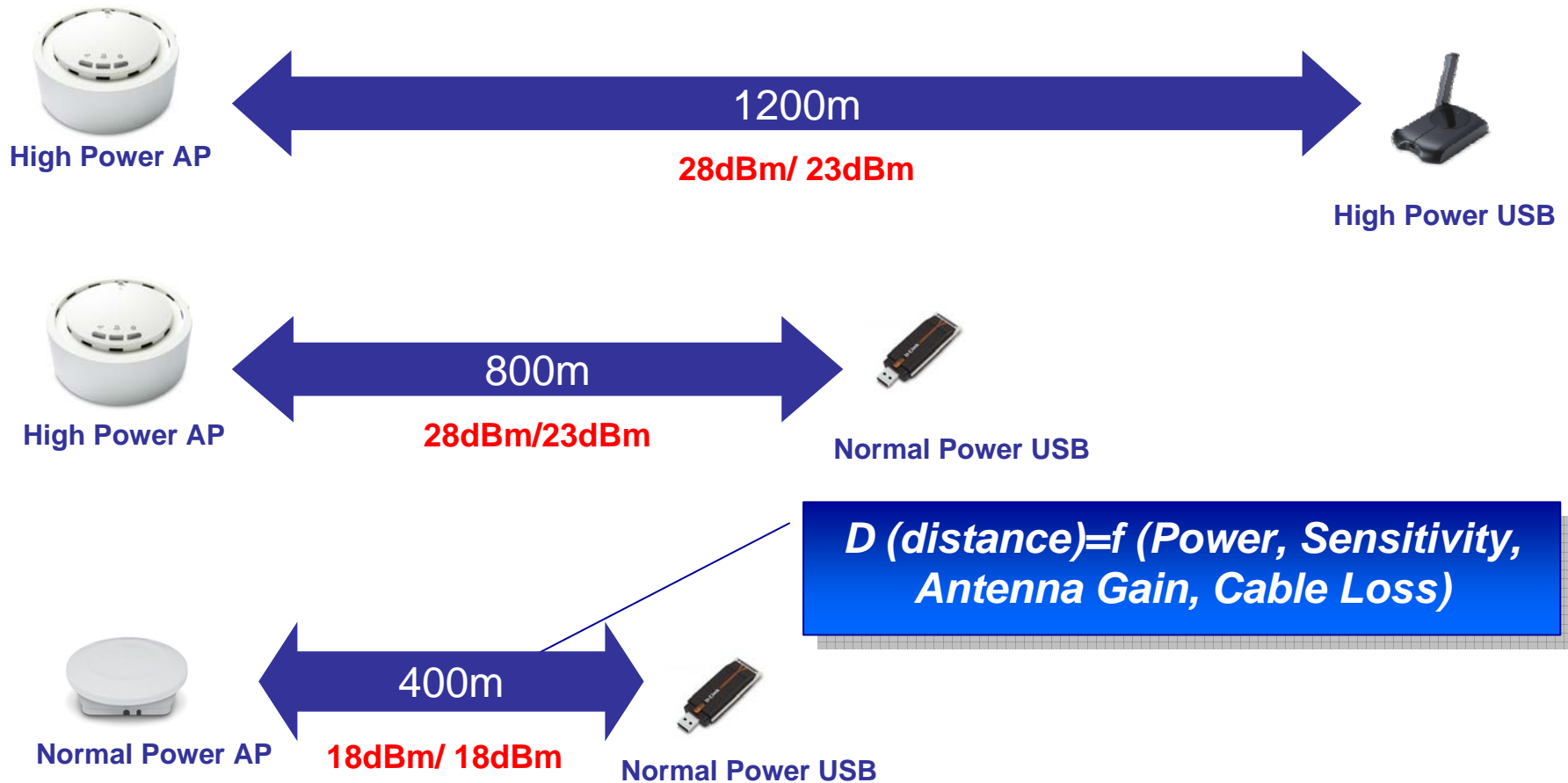
Software

Model Name		EAP-3660	DWL-3140AP
Operation Mode		3Modes (AP/WDS AP/ Repeater)	AP
DHCP	Server	Y	NO
	Client	Y	NO
QoS (WMM)		Y	NO
Output Power Control		Y	NO
Diversity		Y	NO
Security			
Disable SSID Broadcast		Y	Y
Multi-SSID+VLAN tagging		Y	NO
WEP		Y	Y
WPA		Y	Y
WPA2		Y	Y
IEEE802.1x Authenticator (PEAP/EAP-MD5/TLS/TTLS)		Y	NO
L2 isolation (AP)		Y	NO
MAC Filter (AP)		Y	Y
Managemnt			
Web		Y	Via DES-1228P Web Smart Switch (US\$440)
Telnet		Y	
SNMP V1, V2c		Y	
MIB/II		Y	
Private MIB		Y	
System			
Firmware Update	WEB	Y	Via DES-1228P Web Smart Switch (US\$440)
	TFTP		
Administrator Setting	User Name and Password	Y	
	Reboot or Reset to Factory Default	Y	
Reset			
System Status		Y	
Keep latest setting when f/w Backup/ Restore		Y	



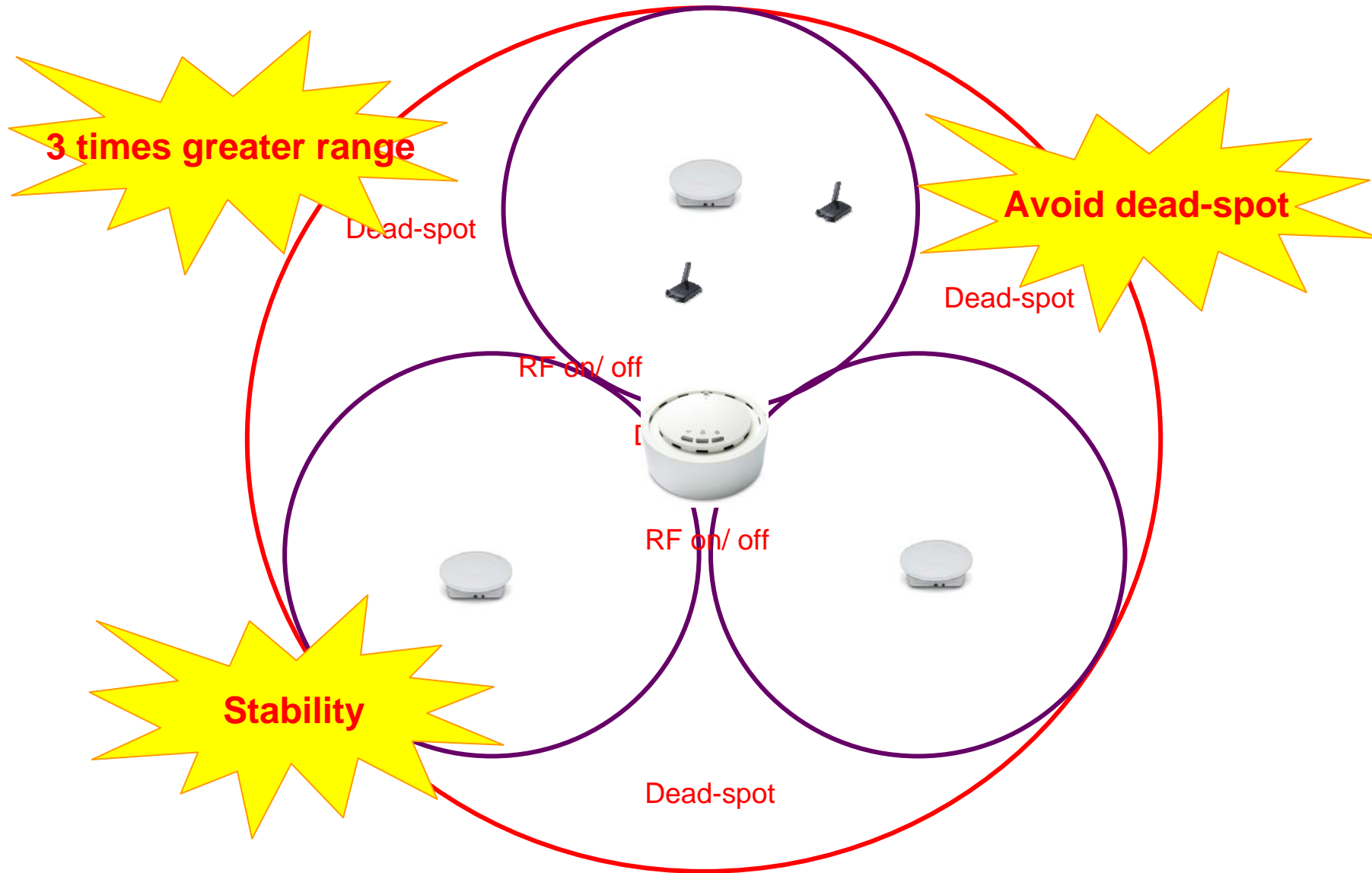
Coverage

3 Times Coverage





Coverage

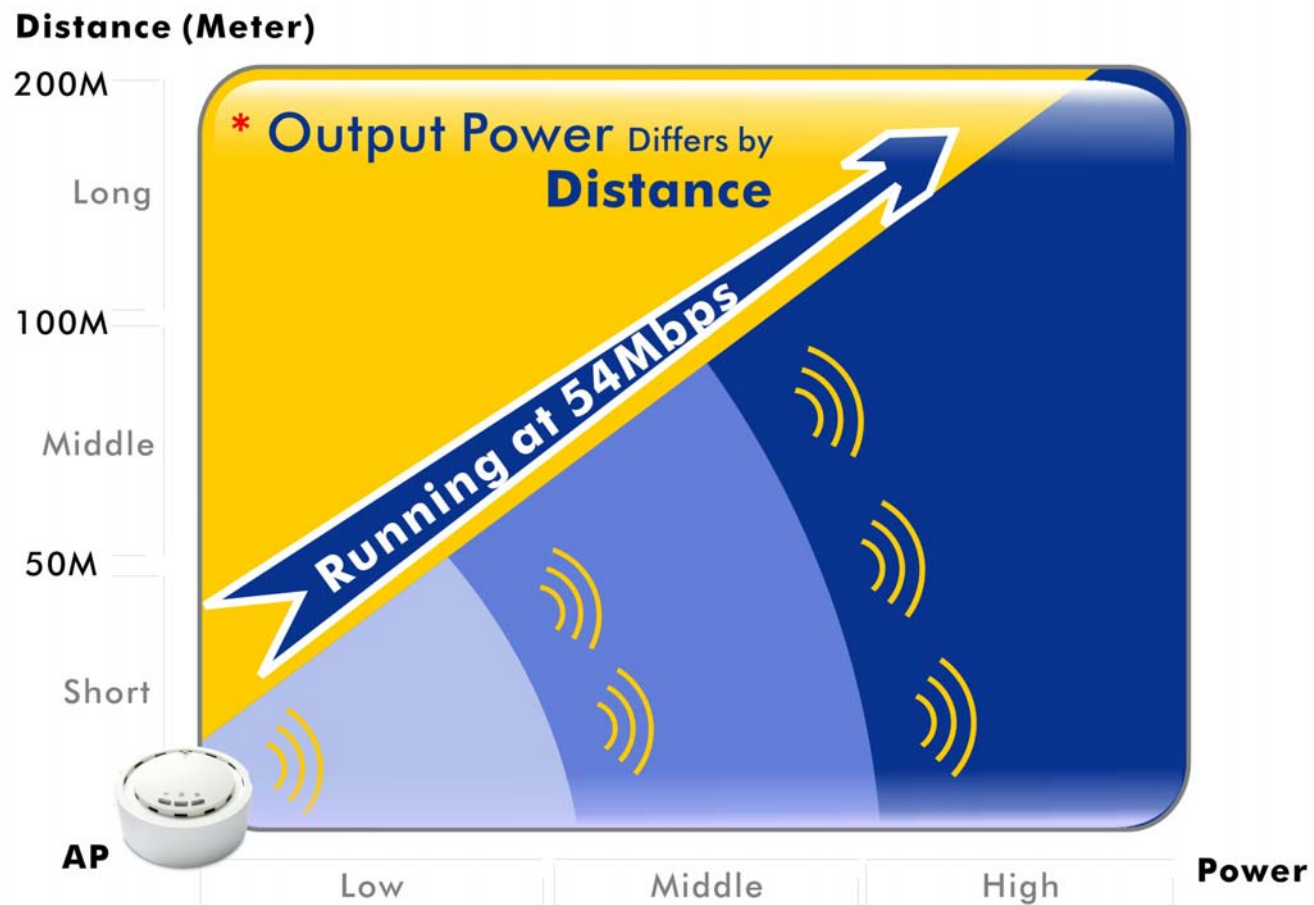




Coverage

In the same Range, Senao's product can keep higher datarate

Transmit Power Control





Price Competition

Brand D.



US\$440


+




US\$70

x 24 = **US\$2120**

EnGenius (3 times Coverage)



US\$165

x 8 = **US\$1320** 



Management

- **EAP-3660**
 - Advantage
 - Simple SNMP protocol management: Centralize Control via SNMP agent (Popular in SMB market)
 - Weakness
 - No self-configuration function

- **DWL-3140AP**
 - Advantage
 - Via DES-1228P Web Smart Switch (US\$440): Centralize control (Self Configuration)
 - Weakness
 - Not Flexible: MUST use DES-1228P for management



Q&A



Senao Networks, Inc.