

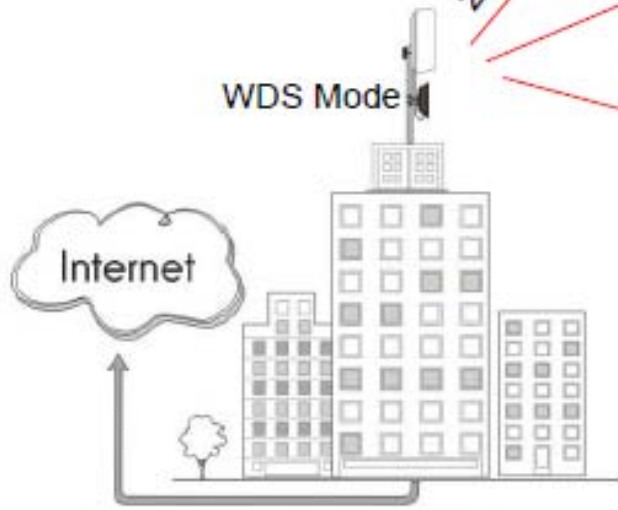
WDS with Repeater mode application

Wireless Repeater Mode

Wireless Repeater Mode

Product list - CPE
AUE203G
2.4GHz Omni antenna

Product list - CPE
AUE203G
2.4GHz Omni antenna



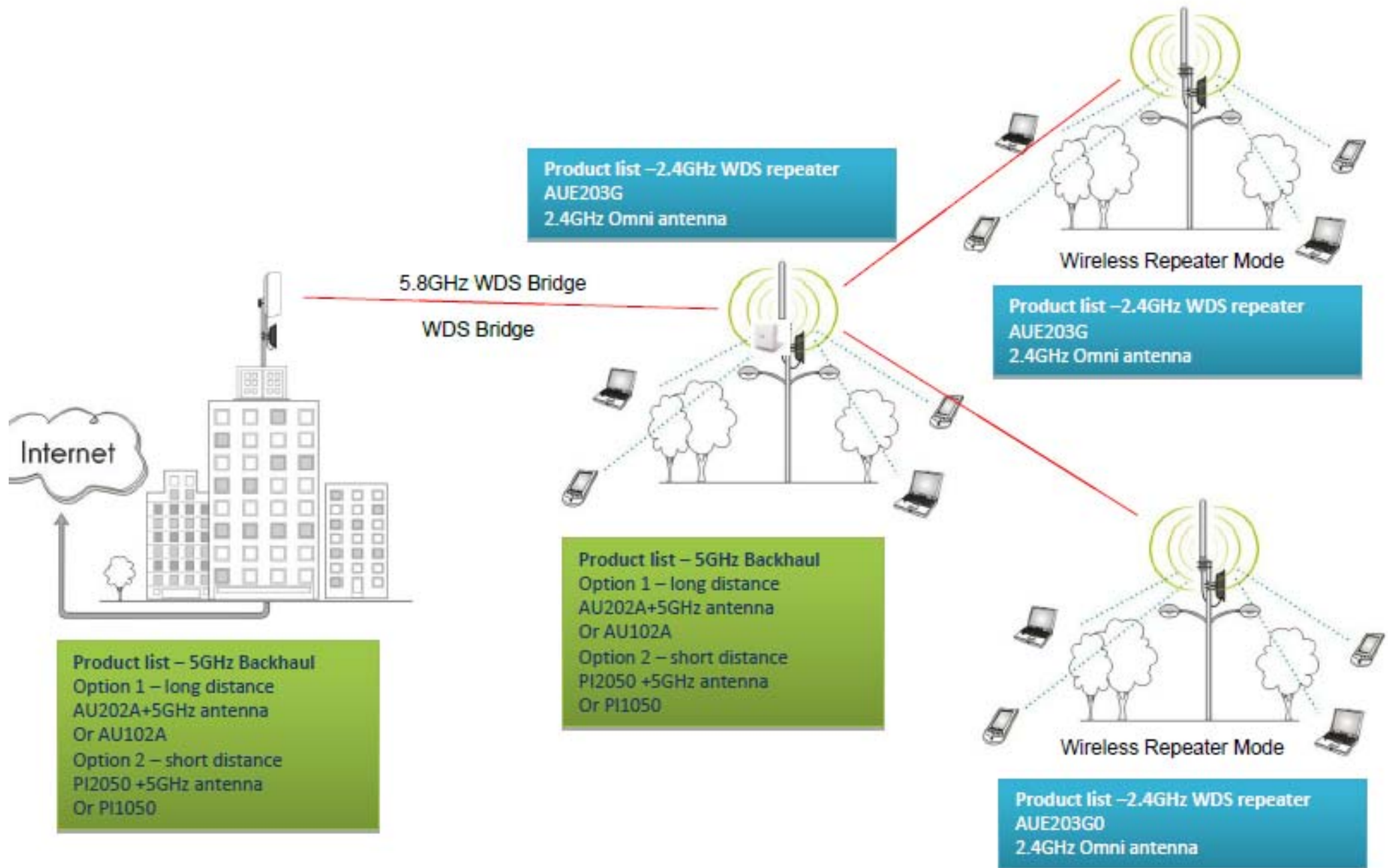
Product list - BS
AUE203G
2.4GHz Sector antenna

Product list - CPE
AUE203G
2.4GHz Omni antenna

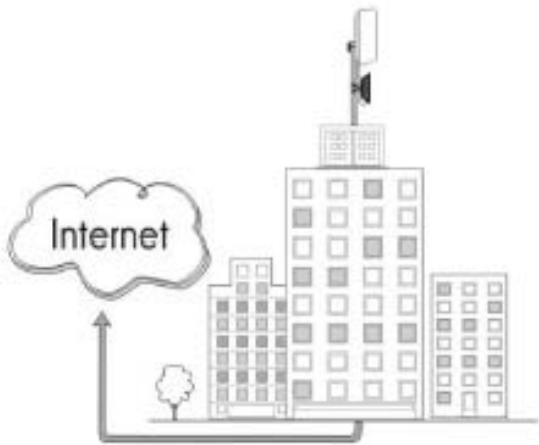
Wireless Repeater Mode



WDS with Repeater mode application, Taipei City



AP Mode application – Case Study



2.4GHz Public WiFi Hotspot Coverage

AUE203G(24VDC) with a 16dBi sector antenna,
Tower is 15 m on the 3 floor.
Laptop is IBM
Go straight from 500 to 2.5km (with 2.x Mbps
around data throughput)



GuangDong province



GuangDong province

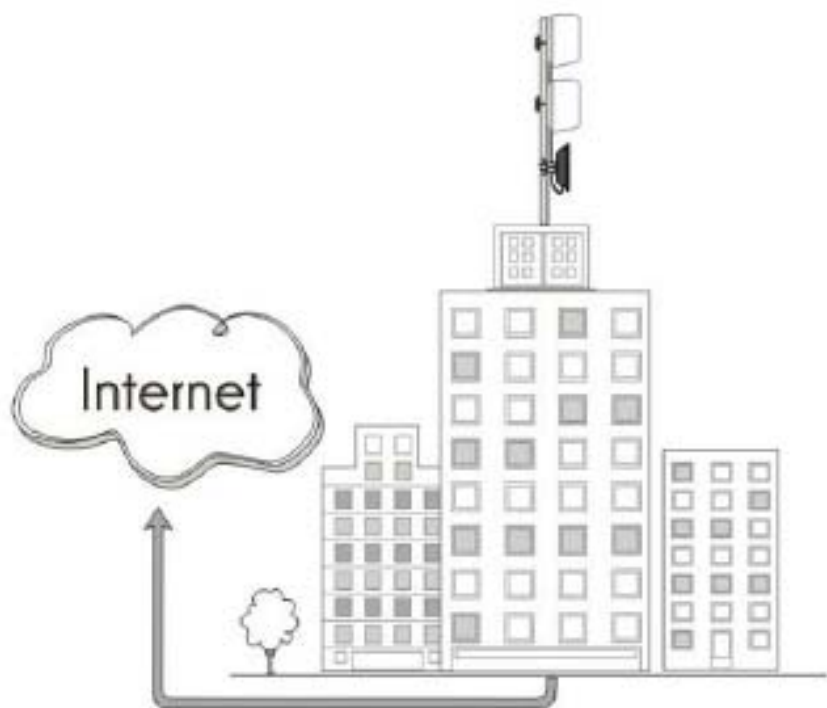


NanJing City 1



NanJing City 2

**AP Mode, 2.4GHz Hotspot wide coverage
via two sector antennas**



ChengDu City



ChengDu City

ISM Band IP Radio

■ Aurora Family



■ Pico Family



Aurora Series

External antenna radio



Market type	Frequency	Output power
Aurora series	2.4GHz	23dBm / 30dBm / 34dBm
	5GHz	23dBm

Antenna integrated radio



2.4GHz 18dBi antenna integrated
5GHz 20dBi antenna integrated

Market type	Frequency	EIRP
Aurora series	2.4GHz	41dBm / 48dBm / 52dBm
	5GHz	43dBm



5GHz 23dBi antenna integrated

Market type	Frequency	EIRP
Aurora series	5GHz	46dBm

Aurora Series

External antenna radio



Market type	Frequency	Output power
Pico series	5GHz	20dBm

Antenna integrated radio



5GHz 12dBi antenna integrated



5GHz 14dBi antenna integrated

Market type	Frequency	EIRP
Pico series	5GHz	32dBm
		34dBm

■ Features and Benefits

Aurora Series

- **LARGE AREA COVERAGE**

High output power OFDM signal and low noise figure extend the signal transmit distance and enlarge the coverage area as well.

- **IMPRESSIVE DATA RATE AT LONG DISTANCE**

OFDM technology extends the distance limit of 802.11a/g/b standard to 25 miles(40Km). Super A/G mode extend throughput up to 136% of standard mode (up to 34Mbps).

- **MANAGEABILITY**

Through the Web-based utility Aurora is fully manageable locally and remotely. In addition, built-in SNMP support let ISP and enterprise users expand the network infrastructure much easier.

■ Features and Benefits

➤ **FLEXIBILITY**

This radio can play various roles in the wireless infrastructure due to the detachable antenna design. The customer can select proper antenna to meet different distance requirement and application.

➤ **RELIABILITY**

Aurora provides high reliability due to its stable and robust design with chipsets from Atheros.

➤ **SECURITY**

WEP 64 / 128 / 152bit encryption, WPA-PSK(TKIP), WPA2(AES-128 bits), 802.1x Authentication (EAP), disable broadcast the SSID, client isolation and MAC Access control build the highest security mechanism to prevent the malicious attacking from the internet.

Aurora Series – Advanced spec

ADVANCE	
Uplink Speed limited	QOS which can limit the uplink speed into n*64Kbps
Wi-Fi Multi-media (WMM)	WMM defines four access categories (voice, video, best effort, and background) that are used to prioritize traffic so that these applications have access to the necessary network resources.
Site survey	Signal level display
HTTP Redirect	Configure the desired web that first appears when someone is surfing on internet via this radio
Link test	Test the parameters that indicates communication quality, benefit tools to assist the antenna alignment.
Lightening protection	IEC 61000-4-5
Load balance; Audible antenna alignment (optional)	