

# Long Distance, High Bandwidth

## KW8200 KW8300 Series **P2MP MIMO** WiTDM® Outdoor Bridge

160Mbps @20Km / 80Mbps @40Km  
4.9~6.1GHz

MIMO WiTDM Wireless Broadband product line are adopting Wireless TDMA concept to provide an affordable and reliable rural connectivity. All of products are high-performance outdoor-deployable wireless bridge that provides wireless connectivity between multiple network locations. With the high throughput and long-distance transmission, it is the appropriate backhaul solution for Carriers, Service Providers and Enterprises.

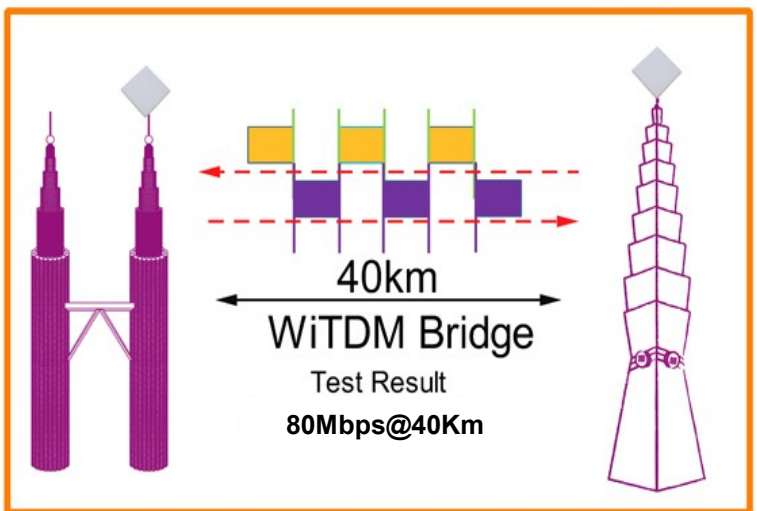
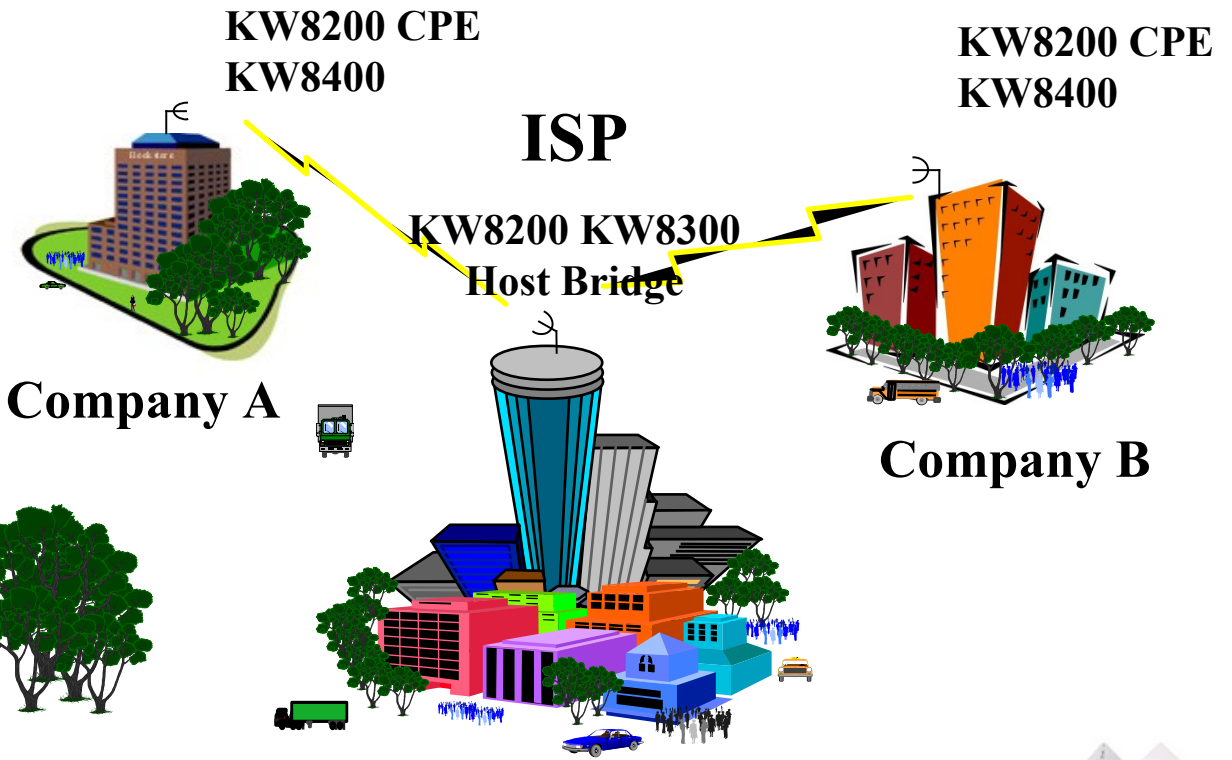
### Key Features & Benefits

- Anti-Interference
- IP68 Qualified / Reliable Outdoor Enclosure
- Waterproof
- Vent design
- TDD QoS
- Good Balance on low Cost and High Performance
- Actual reachable testing range > 50 km
- High throughput
- Support point to point , point to multi point
- Network Topology MAP
- High security (AES 128 bit)
- Ease of Installation (Real time Link Test for Local and Remote RSSI)
- Transmit Power Control
- Bandwidth Control  
(5MHz, 10MHz, 20MHz, 40MHz)
- Wireless TDMA (TDD Mode)

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# WiVIEW 2, Managed Tool

No	Status	Model Name	IP Address	Location	Routing	Description
1	●	KWA-O1850-I	192.168.3.1		192.168.3.2	WIFDD
2	●	KWA-O1850-I	192.168.3.2		192.168.3.1	WIFDD
3	●	KWA-O1850-I	192.168.3.3		192.168.3.4	WIFDD
4	●	KWA-O1850-I	192.168.3.4		192.168.3.3	WIFDD
5	●	KWA-O8800-I	192.168.3.5		192.168.3.6	WITDM
6	●	KWA-O8800-I	192.168.3.6		192.168.3.5	WITDM
7	●	KWG-O6020-I	192.168.3.7		192.168.3.10	BGN_AP
8	●	KWA-O6020-I	192.168.3.8		192.168.3.9	Bridge
9	●	KWA-O6020-I	192.168.3.9		192.168.3.8	Bridge
10	●	KWA-O670R	192.168.3.10		192.168.3.7	BGN_Repeater



Bridge Location on the MAP

<b>HARDWARE</b>	
Memory	16MB Flash + 64MB SDRAM
LAN	1 x 10/100/1000 BaseT RJ-45 with Auto-MDIX
Power Over Ethernet (PoE)	Yes (802.3at)
Default Button	Yes
Enclosure	Metal Case, IP 68 Verified
Lighting Protect	From Ethernet
<b>FEATURE</b>	
Operating Mode	Bridge (P2P / P2MP)
Link Test Tool	Yes (Real Time Local and Remote RSSI)
Radio Bandwidth	5MHz, 10MHz, 20MHz, 40MHz
TDMA	Yes
TDM Coordination	Yes
QoS	TDD / 802.1P
Channel Selection	Yes
Auto Channel	Yes
DFS/TPC	Yes
Spanning Tree (STP)	Yes
VLAN	Yes (802.1Q)
GPS Coordinates	Yes
Space In Meters	Yes (Auto)
NTP Client	Yes
CLI	Yes (SSH)
Backup / Restore	Yes
System Log	Yes
Remote Log Server	Yes
<b>SECURITY</b>	
Encryption	AES 128bit
<b>MANAGEMENT</b>	
Web Base Management	Yes
SNMP	V2, V3 Private MIB, 802.11 MIB
Windows Tool	Yes, WiVIEW 2
<b>PHYSICAL</b>	
Operating Temperature	-30 ~ 80C
Operating Humidity	10 ~ 95% RH

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Model	Frequency MHz	Antenna dBi	Output Power dBm	Sensitivity dBm	Dimension mm	Weight Kg
KW50-O8200	4,920-6,070	2x N Jack	25	-95	259 x 250 x 75	1.8
KW50-O8300	4,920-6,070 4,920-6,070	4x N Jack	25	-95	259 x 250 x 75	1.9

Customized Frequency

300MHz / 400MHz / 700MHz / 900MHz / 1.8~1.9GHz / 2.2~2.3GHz / 2.3~2.5GHz / 3.3~3,4GHz / 4.4~4.9GHz /

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KW8200 KW8300 Series



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