

Long Distance, High Bandwidth

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

200Mbps @20Km / 100Mbps @40Km
4.8~6.2GHz

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.

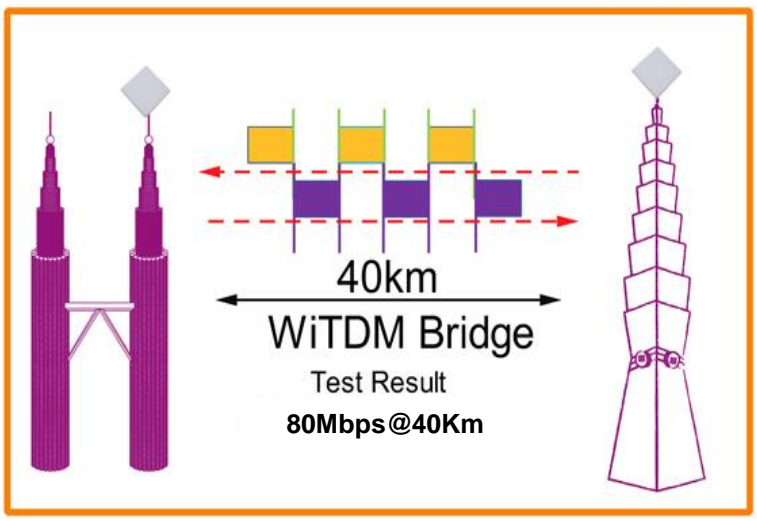
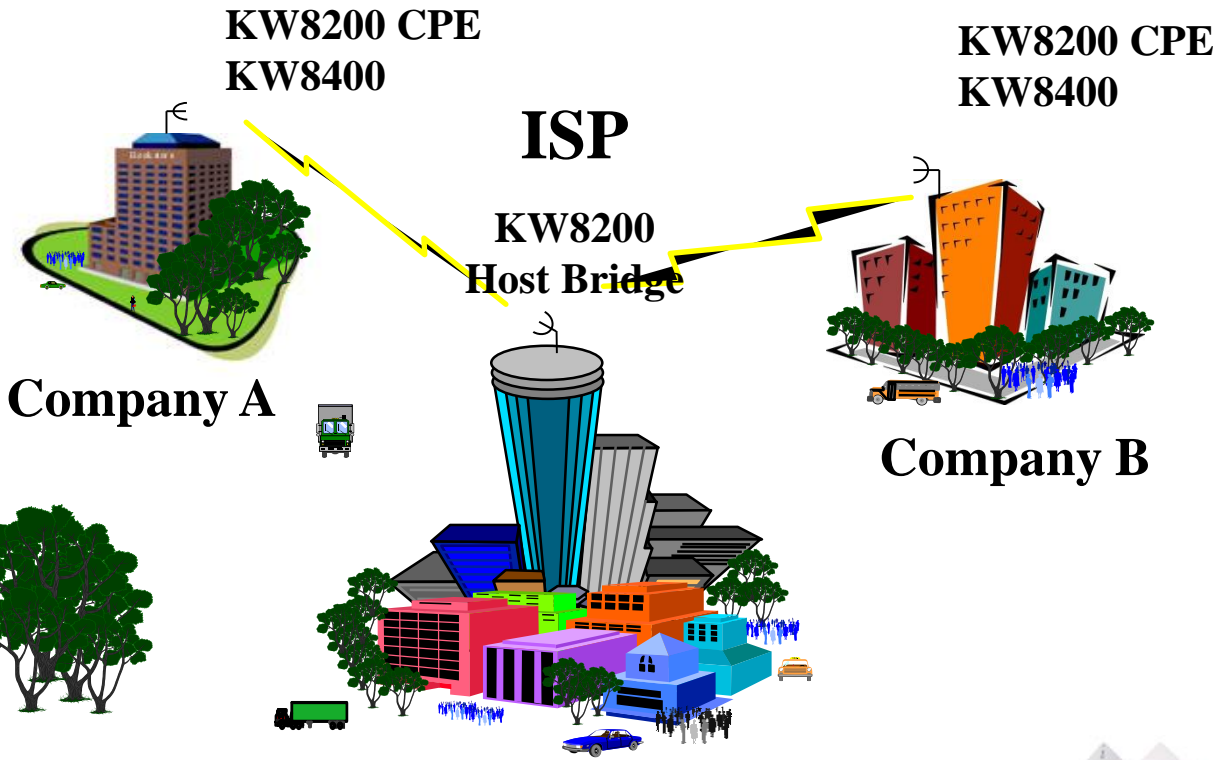
Key Features & Benefits

- 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

HARDWARE	
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
FEATURE	
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
SECURITY	
Encryption	AES 128bit
MANAGEMENT	
Web Base Management	Yes
SNMP	V2, V3 Private MIB, 802.11 MIB
Windows Tool	Yes, WiVIEW 2
PHYSICAL	
Operating Temperature	-30 ~ 80C
Operating Humidity	10 ~ 95% RH

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Model	Antenna dBi	Output Power dBm	Sensitivity dBm	Dimension mm	Weight Kg
KW50-O8200	2x N Jack	25	-95	259 x 250 x 75	1.8
KW50-O8200-15	2x2 15 dBi	25	-95	259 x 250 x 75	2.2
KW50-O8200-I	2x2 20 dBi	25	-95	320 x 320 x 95	3.0

Modulation	BPSK			QPSK		16QAM		64QAM		
	FEC	1/2	1/2	3/4	1/2	3/4	2/3	3/4	5/6	
Throughput @5MHz Mbps	0.9	2.3	3.1	9.8	14.8	20.0	22.6	24.7		
Throughput @10MHz Mbps	2.2	4.7	7.1	20.6	31.3	42.7	48.0	53.0		
Throughput @20MHz Mbps	4.7	10.2	15.2	45.2	67.4	88.6	98.3	104.1		
Throughput @40MHz Mbps	10	20.9	32.8	91.7	134.3	169.0	179.0	204.8		
Sensitivity @ 20MHz dBm	-90	-89	-87	-84	-81	-78	-76	-74		
Output Power @ 20MHz dBm	25	25	25	24	24	23	23	23		

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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KW50-O8200-I



KW50-O8200
KW50-O8200-15



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