

KWAG-O6805-I MIMO 867 + 300Mbps Outdoor Bridge 5 / 2.4 GHz

Formosa KWAG-O6805-I Wireless MIMO Bridge provides reliable and predictable Wireless Bridge Connection.

With these wireless Base Stations you can:

Augment throughput for high-bandwidth wireless applications

Protect your investment in wireless networking

Increase network reliability for high bandwidth applications

IEEE 802.11 a/b/g/n/ac Standard

Data rates of 867 (5GHz) + 300 (2.4GHz) Mbps

Multiple input, multiple output technology for enhanced reliability

2.4 / 5 GHz concurrent radio module

FEATURES

2x2 MU-MIMO OFDM Technology

Support 20/40/80 MHz channel bandwidth

Data transmission rate up to 867 Mbps for 80 MHz bandwidth

Reliable data security AES 128-bit.

DFS (Dynamic Frequency Selection) Channel supported

Auto Channel link selection.

Support SNMP V2 management, SSH, NTP, and Telnet.

Support QoS bandwidth control

MAC Access Control (Allow / Deny)

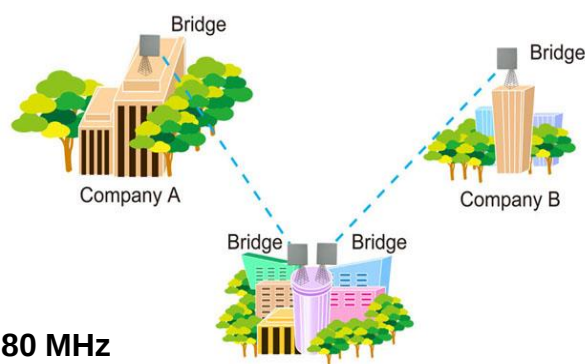
DHCP Server/Client protocol

Built-in Web-based management and firmware upgrade

802.3af/at Power over Ethernet supply

Support Lighting Protection

FCC / CE / NCC Compliant



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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

Specification	
HARDWARE	
LAN	2 x 10/100/1000 BaseT RJ-45 with Auto-MDIX
Power Over Ethernet (POE)	Yes (802.3at/af)
Enclosure	Plastic (IP67)
Default Button	Yes
LED	Power / LAN / Wireless 2.4GHz / Wireless 5GHz
Power Consumption	9W
Ground	Yes
RADIO	
Frequency	2.4 / 5 GHz
Standard	IEEE 802.11 a/b/g/n/ac
Wireless	OFDM
Output Power	24 dBm @ 2.4GHz 21 dBm @ 5GHz
Sensitivity	-86 dBm @ 2.4GHz -80 dBm @ 5GHz
Antenna	2.4GHz 2x2 10 dBi 5GHz 2x2 14 dBi
Real-time Link Status	Yes
FEATURE	
Operating Mode	AP, AP WDS, Client WDS (Bridge)
Dual Stream Support	Yes
Channel Bandwidth	20 / 40 / 80 MHz
Data Bandwidth Control	Yes
Output Power Management	Yes
Auto Channel Selection	Yes
Fast Roaming	Yes (802.11r/k)
WMM	Yes
DHCP	Server / Client
VAP	8 (2.4GHz) + 8 (5GHz)
VLAN / Un-tag ID	Yes
Spanning Tree	Yes (802.1d)
Configuration Backup	Yes (Backup / Restore)
Fragmentation Setting	Yes (256-2,346)
Beacon Interval Setting	Yes (20-1,000)
DTIM Interval Setting	Yes (1-255)

SECURITY	
MAC Control	Yes (Allow / Deny)
WEP Encryption	64, 128, 152-bit
WPA / WPA2	AES 128 bit
IEEE 802.1x / RADIUS	Yes
Wireless Isolation	Yes
Hidden SSID	Yes
Firewall	Yes
VPN	VPN Pass-through (IPsec, L2TP, PPTP)
MANAGEMENT	
Web Base Management	Yes
NMS	Yes (WiVIEW 2)
SNMP	V1, V2C, V3
IGMP	V1, V2, V3
Support Time Server	Yes
Support Log Server	Yes
PHYSICAL	
Dimension	230 x 230 x78.5 mm
Weight	950g
Operating Temperature	-30 ~ 80C
Operating Humidity	0 ~ 90% RH



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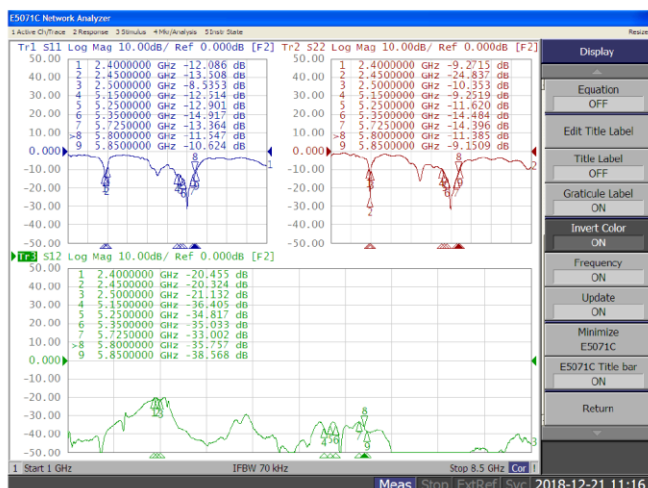

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Spec of Build-in Antenna – KWAG-O6805-I

Frequency : 2.4 / 5 GHz
 Gain : 10dBi @ 2.4GHz / 14 dBi @ 5GHz
 VSWR : <2.0
 Beamwidth /H : 60°
 Beamwidth /V : 30°
 Polarization : Dual Linear; V&H
 Impedance : 50 ohms



Antenna-A & Antenna-B Return Loss



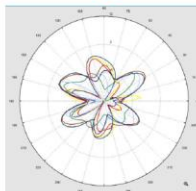
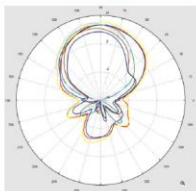
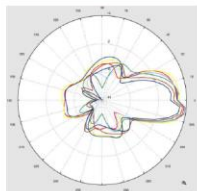
Antenna-A 2D Pattern



XY

XZ

YZ



Trace Color: 2.400G 2.45G 2.50G 5.15G 5.35G 5.725G 5.85

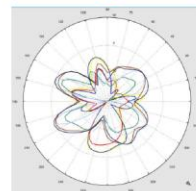
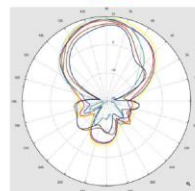
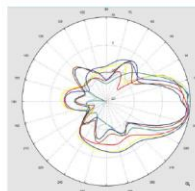
Antenna-B 2D Pattern



XY

XZ

YZ



Trace Color: 2.400G 2.45G 2.50G 5.15G 5.35G 5.725G 5.85

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