




Model	KM220W	KM230W	KM530W
Name	Outdoor Wireless Adapter	Outdoor Wireless Adapter	Outdoor Wireless Adapter
Picture			
Main Chip	RT3070	Ralink RT3072CU	RT5572
Frequency	2412~2483.5MHz	2412~2483.5MHz	5180 - 5825MHz
Bandwidth	20/40MHz	20/40MHz	20/40MHz
Channel	1-13	1-13	34 - 165
Prototype	IEEE802.11b/g/n	IEEE802.11b/g/n	IEEE 802.11a/n;
Modulation	DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Data Transfer Rate	11n: 150Mbps Max. 11g: 6/9/12/18/24/36/48/54Mbps 11b: 1/2/5.5/11Mbps	11n: 300Mbps Max. 11g: 6/9/12/18/24/36/48/54Mbps 11b: 1/2/5.5/11Mbps	11n: 300M Max. 11a: 54/48/36/24/18/12/9/6M
RF Output Power	25dBm Max	20dBm(Max.)	< 13dBm@11n,<12dBm@11a
Receiver Sensitive	802.11b 11M: ≤-85dBm@8%PER 802.11g 54M: ≤-72dBm@10%PER 802.11n 150M: ≤-65dBm@10%PER	802.11b 11M: ≤-85dBm@8%PER 802.11g 54M: ≤-72dBm@10%PER 802.11n 150M: ≤-65dBm@10%PER	802.11a 54M: ≤-73dBm@10%PER 802.11n 150M: ≤-68dBm@10%PER 802.11n 300M: ≤-65dBm@10%PER
Operation Mode		Ad hoc, Infrastructure	Ad hoc, Infrastructure
Security	64/128/152bitWEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)	64/128/152bitWEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)	64/128/152bitWEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)

OS Support	Window98, ME, SE, XP, XP-64, Windows7, 32/64, 2000, Vista, linux, mac	Window98, ME, SE, XP, XP-64, Windows7, 32/64, 2000, Vista, linux, mac	Window98, ME, SE, XP, XP-64, Windows7, 32/64, 2000, Vista, linux, mac
Management	Windows or Management kit	Windows or Management kit	Windows or Management kit
DATA Interface	USB2.0	USB2.0	USB2.0
RF Interface	N/A	N/A	N/A
Antenna Gain	14dBi	14dBi	14dBi
Antenna Polarization	Vertical	Vertical & Horizontal	Vertical & Horizontal
Antenna H. B. W	30degree	30degree	30degree
Antenna V. B. W	30degree	30degree	30degree
Ant. RF Interface	N/A	N/A	N/A
Ant. Feed Cable	N/A	N/A	N/A
Power Consumption	USB 5V/400mA Max.	USB 5V/600mA Max.	USB 5V/600mA Max.
Dimension	210×180×44	210×180×44	163×143×35
Feed Cable	USB Cable, 10m Max.	USB Cable, 10m Max.	USB Cable, 10m Max.
Installation	Pole Mount or Wall Mount	Pole Mount or Wall Mount	Pole Mount or Wall Mount
Water Proof	IP55	IP55	IP55
Working Temperture	-30~60℃	-30~60℃	-30~60℃
Humidity	10%-90%(non-condensing)	10%-90%(non-condensing)	10%-90%(non-condensing)
Storage Temperture	-40~70℃	-40~70℃	-40~70℃
Features	2.4GHz WIFI, 150Mbps data rate IEEE 802.11bgn Support 14dBi High Gain Antenna Inside 25dBm RF Power Water Proof Over 2km Transmission Distance Wall Mount or Pole Mount Up to 10m USB Cable	2.4GHz ISM, 300Mbps data rate IEEE 802.11bgn Support 14dBi Dual Pol. Antenna Inside 22dBm RF Power 2T2R MIMO Technology IP55 Water Proof Over 2km Transfer Distance Wall Mount or Pole Mount Up to 10m USB Cable	5GHz ISM, 300Mbps data rate IEEE 802.11na Support 14dBi Dual Pol. Antenna Inside 13dBm RF Power 2T2R MIMO Technology IP55 Water Proof Over 1km Transfer Distance Wall Mount or Pole Mount Up to 10m USB Cable