

## JetWave Series Wireless Outdoor AP

Korenix introduces a complete solution of long and mid-range wireless outdoor Access Points for flexible unwired network constructions in harbors, railways, public utilities, mining areas and other outdoor environments. Korenix's wide range of Wireless Networking Devices is compliant with IEEE 802.11 a/b/g/n standards to provide high performance data at your desired speed, size and to your desired distance.

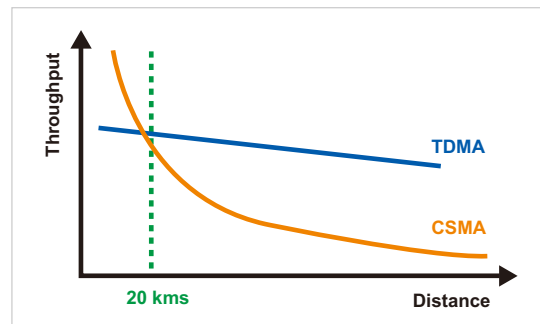
### High-Throughput & Enhanced Wireless Performance by 802.11N technology

Korenix JetWave 2450 supports IEEE 802.11N standard and is capable of ensuring triple higher data rate transmission with the increased speed and outstanding performance upgrading the existing wireless network to provide more capacity and enhance coverage.

The access point, backward compatible with 802.11 b/g standard, also allows connecting 802.11n, 802.11g or 802.11b wireless devices to the wired network so that it becomes possible to add PCs to the network with no cabling hassle.

### Intel® TDMA Enlarges Coverage and Performance

JetWave 2600 series supports different types of Wireless Multiple Access technologies, including CSMA and Intel® TDMA for various distance applications. Korenix adopts Intel® TDMA technology as well. Customers can setup CSMA or TDMA locally depending on the transmission distance. With a default 23dbi panel antenna, the wireless extensibility can reach at least 40KM with guaranteed transmission quality.



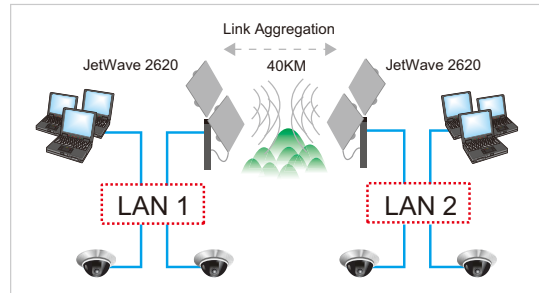
### WMM (QoS) Optimal for Wireless Video Surveillance

JetWave series supports WMM (Wi-Fi Multimedia) technology, which allows the wireless communication to give the highest priority to multimedia streaming: the

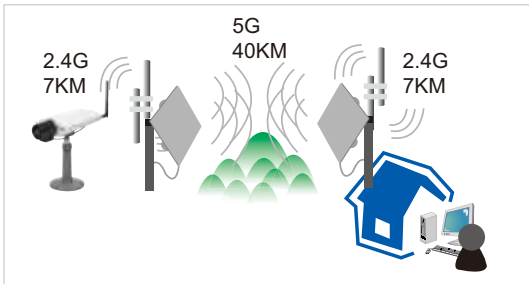
video stream is given precedence over data packets and is delivered more efficiently even under limited bandwidth.

## Dual 5G Interface Doubles Bandwidth

JetWave 2620 adopts dual 802.11a modules for users to aggregate radio. The link aggregation technology doubles the throughput of point to point application. Thus, users can benefit from the dual 5G bandwidth for more video streams and transmit megapixel and HDTV videos more efficiently.



## 5G & 2.4G Dual Band for Greater Flexibility



JetWave 2640 is equipped with one 802.11a and one 802.11b/g module. It easily integrates local area 2.4G network with backhaul 5G network, increasing flexibility of wireless surveillance deployment. Data from 802.11 b/g device can be easily transmitted to remote sites.

## Integrated PoE Technology for Power Unreachable Destinations

JetWave 2600 Series integrates 802.3af Power over Ethernet (PoE) technology, that allows installation of the device in power unreachable locations. Moreover, being compatible with Korenix PoE switches, the APs can be

used with Korenix JetPoE, JetRock and JetBox series for providing total solutions for highways, railways, dams, mines, harbors, wind power stations, etc.



JetWave 2610



JetWave 2620



JetWave 2640



JetWave 2450

	Wireless Outdoor AP	Dual 5G Wireless Outdoor AP	Dual Band Wireless Outdoor AP	802.11b/g/n Outdoor AP
<b>Interface</b>				
Number of 10/100 Ports	1	1	1	1
Number of WLAN Ports	1	2	2	1
Standard	802.11a	802.11a	802.11a + 802.11b/g	802.11n (802.11b/g compliant)
Maximum Transmission Distance		40KM		5KM
Operating Frequency		FCC : 2.412~2.462GHz, 5.725~5.850 GHz CE : 2.412~2.472GHz, 5.470~5.600 GHz, 5.650~5.725 GHz		FCC: 2.412 ~2.462 GHz(HT20), 2.422~ 2.452 GHz(HT40) CE/ETSI: 2.412 ~ 2.472 GHz(HT20), 2.422~ 2.462 GHz(HT40)
RF Output Power		802.11a: 24dBm/FCC; 30dB/CE 802.11b/g: 23dBm/FCC; 20dB/CE		FCC: 802.11b/g/n: Max. 27.5dBm ETSI(CE): 802.11b/g/n: Max. 10.5dBm
RX Sensitivity		802.11a: ≤ -92dBm@6Mbps; ≤ -73dBm@54Mbps 802.11b/g: -96dBm@1Mbps; -90dBm@6Mbps; -72dBm@54Mbps		802.11b: 11Mbps ≤ -93dBm 802.11g: 54Mbps ≤ -88dBm 802.11n - HT 20 ≤ -88dBm 802.11n - HT 40 ≤ -84dBm
Power Input (PoE)	802.3af (48VDC)	802.3af (48VDC)	802.3af (48VDC)	12V PoE
Buzzer	●	●	●	
<b>Mechanical</b>				
Housing (IP Rating)	IP67	IP67	IP67	IP65
Antenna	1 embedded	1 embedded, 1 external	1 embedded, 1 external	1 embedded, 1 external
Antenna Gain	23dbi Directional	23dbi Directional	11a: 23dbi Directional, 11g: optional	Embedded: 8dbi Directional, 1 optional (Modified by Software)
Vent	●	●	●	
Dimension (Unit=mm)	400 x 400 x 88(D)	400 x 400 x 88(D)	400 x 400 x 88(D)	165(H) x 60(W) x 34(D)
Operating Temperature	-30~70°C	-30~70°C	-30~70°C	-20~70°C
<b>Protocols</b>				
CLI/Web/Utility Configuration	●	●	●	●
Operating Mode	Base Station, CPE, P2P, P2MP	Base Station, CPE, Relay, P2P, P2MP	Base Station, CPE, P2P, P2MP	Base Station, CPE, P2P, P2MP
CSMA	●	●	●	●
Intel TDMA	●	●	●	
Super A/G	●	●	●	
Link Aggregation	●	●		
STP	●	●	●	●
Link Test Tools	●	●	●	●
Encryption - WEP	●	●	●	●
Encryption - WPA, WPA2	●	●	●	●
HTTPS, SSH	●	●	●	●
802.1x, MAC Access Control	●	●	●	●
Wireless Isolation	●	●	●	●
QoS (WMM)				
Others				IGMP Snooping, DHCP Server, Router mode
<b>Certification</b>				
Regulatory Approval: CE/FCC	●	●	●	●
RoHS/WEEE	●	●	●	●

## JetWave 2610 / 2620 / 2640

### Outdoor Long Range IEEE802.11a Wireless AP

- Supports IEEE 802.11a 5GHz band (JetWave 2610)
- Supports Dual IEEE 802.11a 5GHz band (JetWave 2620)
- Supports both IEEE 802.11a 5GHz and 802.11b/g 2.4GHz band (JetWave 2640)
- Up to 54Mbps maximum net data rate
- High Gain 23dbi Panel Antenna maximizes transmission distance up to 40KM
- N type external Antenna slot (JetWave 2640)
- Link Aggregation allow higher bandwidth for long distance transmission (JetWave 2620)
- Wireless QoS (WMM) for video precedence transmission
- Supports Base Station, CPE, Point to Point and Point to Multiple Point Connectivity
- Intel TDMA Technology for long distance connectivity
- Multiple Data Encryption algorithms, including WEP,WPA,WPA2
- Secured Access Control by HTTPS, SSH, 802.1x, MAC
- Auto ACK-Time adjustment, Link test for easy installation
- Rugged IP67 Protection Housing for outdoor installation
- Power supply compatible with PoE Source
- -30~70°C operating temperature for hazardous environment application



CE FC RoHS

Dual 802.11a	802.11 a/b/g	Intel TDMA
Built-in 23dBi Antenna	Ext. N type Antenna	40KM
WMM	IP 67	-30~70°C

## JetWave 2450

### Outdoor High Performance 802.11b/g/n Wireless AP

- IEEE 802.11n wireless outdoor solution, backward compatible with 802.11b/g
- 3 times higher throughput than 802.11b/g solution, up to 150Mbps net data rate
- High performance and low maintaining cost for video surveillance network
- One model with both Embedded 8dbi Directional Antenna and N-Type Socket
- Up to 5KM Wireless coverage
- Wireless QoS (WMM) for video precedence transmission
- Supports Base Station, CPE, Point to Point and Point to Multiple Point connectivity
- Supports Spanning Tree Protocol, IGMP Snooping, SNMPv3, NTP, DHCP Server, Router mode
- Advanced security system by WEP, WPA, WPA2 and MAC address filter
- IP65 Protection Housing for outdoor installation
- Built-in 12VDC PoE, to be powered through Ethernet cable
- -20~70°C Operating temperature



CE FC RoHS

802.11 b/g/n	3x1 Rate	WMM
Built-in 8dBi Ant	External N-type Ant	IGMP Snooping