

DATASHEET

TBK-ANT2150



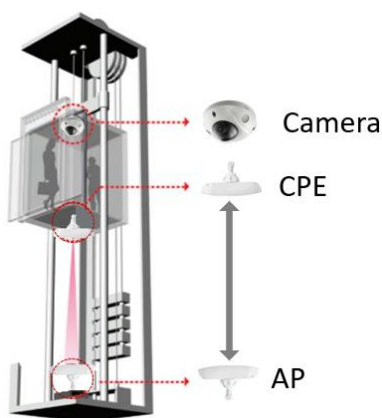
MAIN FEATURES

- Up to 2Km range.
- Up to 150 Mbps.
- Transmission at 5.8GHz.
- Plug&Play system.
- Can be used for point-to-point link, or for point-to-multipoint, connecting one AP with up to 4 CPE units.
- Powered through POE injector (included).
- Dimensions: 205 x 205 x 132.2 mm.

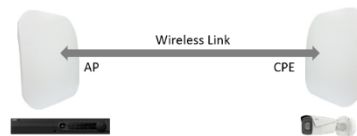
AP/CPE with integrated antenna, for wireless links of up to 2Km range at up to 150Mbps. Can be used for point-to-point link (using 2 units, one setup as AP and the other one as CPE), or for point-to-multipoint (connecting one AP unit and up to 4 CPE units).

APPLICATION SCENARIOS

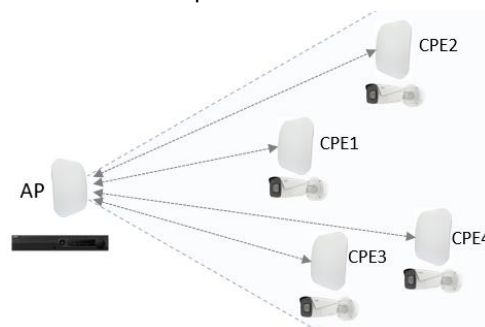
Elevator Wireless surveillance



Point to Point Wireless Links



Point to Multipoint Wireless Links




TBK-ANT2150
SPECIFICATIONS

Chipset	Atheros AR9344 600MHz				
Memory	DDR2 64MB				
Storage	8MB Flash				
IC	SiGe5012B				
Port	10/100Mbps LAN x 2				
Speed	11a: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps				
	11n: 7.2M, 14.4M, 21.7M, 28.9M, 43.3M, 57.8M, 65M, 72.2M, 14.4M, 28.9M, 43.3M, 57.8M, 86.7M, 115.6M, 130M, 144.4M, 150Mbps				
Transmission	DSSS				
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK				
Standard	IEEE802.11n, IEEE802.11a, IEEE802.3u				
Protocol	CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP, NDIS3, NDIS4, NDIS5				
Channel	5150-5825MHz				
Power dissipation	≤3W				
Power	POE 24V 1A /48V 0.5A				
RF @25°C±2dB	802.11a	6-24Mbps	23±2dBm		
		36-48Mbps	22±2dBm		
		54Mbps	21±2dBm		
	802.11n	HT20	MCS 0-3	23±2dBm	
			MCS 4	22±2dBm	
			MCS 5	21.5±2dBm	
			MCS 6	21±2dBm	
			MCS 7	20.5±2dBm	
		HT40	MCS 0-3	22±2dBm	
			MCS 4	21.5±2dBm	
			MCS 5	21±2dBm	
MCS 6			20.5±2dBm		
MCS 7			20±2dBm		

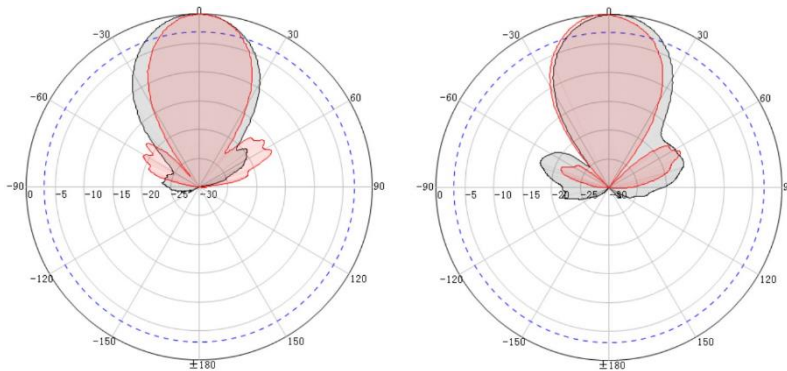


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SPECIFICATIONS

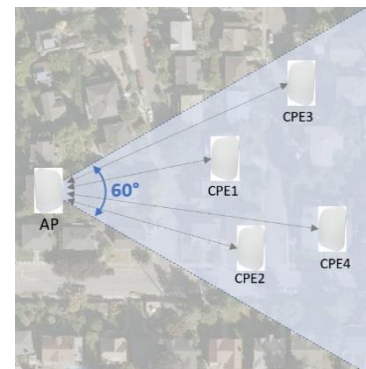
Sensitivity	802.11a	6Mbps ≤ -89; 54Mbps ≤ -73	
	802.11n	HT20	MCS 0 ≤ -86; MCS 7 ≤ -68
		HT40	MCS 0 ≤ -83; MCS 7 ≤ -65
Antenna	Frequency	5150-5825MHz	
	Polarization	Vertical	
	Gain	12 dBi	
Management	WEP Management	Yes	
	SNMP MIB	Yes	
	Telnet	Yes	
	Serial	Yes	
Security	MAC Address Control	No	
	Encryption	WEP 64/128bits, WPA, WPA2, 802.1x	
Operating Condition	Operating Temperature	-30~65°C	
	Storage Temperature	-50~80°C	
	Humidity	≤95% (Non-condensed)	

ANTENNA RADIATION DIAGRAM



Antenna Gain: 12 dBi

The AP can cover an area of 60 degrees where the CPEs can be located.





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DIMMENSION

