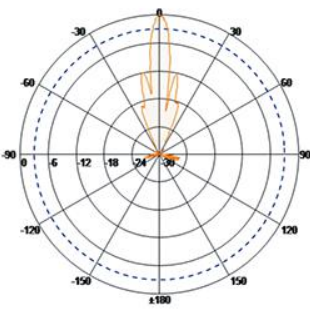
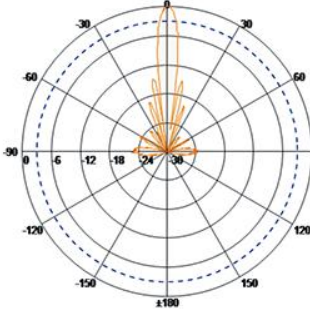
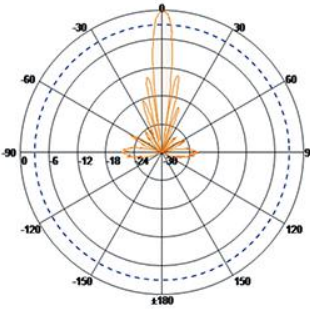
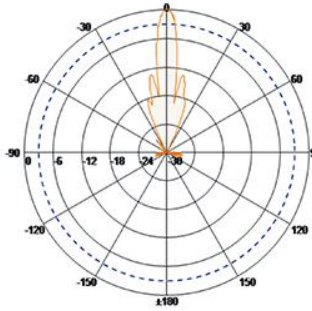




**WI-CPE518-KIT**  
**5.8GHz 300Mbps**  
**Outdoor CPE with Dish antenna for**  
**wireless CCTV**  
**Data sheet**

## Highlights

- 500mW High power output, coverage up to 15KM for PTP and PTMP wireless CCTV application
- 20KM wireless transmit for Carry 8-15pcs 1080P camera
- auto-connect for PTP/PTMP application, no need setting software
- Wireless A/N speed up to 300Mbps
- Support open frequency from 4920 to 6100 MHz
- 25dBi Dish Antenna Technology
- 27dBm High-Power design
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- Atheros AR9344 600MHz Chipset,64MB RAM
- 10KV Lightning Protection
- Super TDMA Technology

Frequency	4.9-6.1GHz	VSWR	1.5 : 1
Gain	25dBi	V-Pol Beamwidth	8°
Isolation	17Db+	H-Pol Beamwidth	8°
Polarity	Dual Polarity(V and H)	Vertical Plane Beamwidth	8°
			
VPOL-E	VPOL-H	HPOL-E	HPOL-H

## Product



## Description

Wi-Tek's WI-CPE518-KIT is a 300Mbps 2\*2 MIMO Hi-Power outdoor wireless dish bridge for extremely long range point-to-point wireless CCTV solutions. It is revolutionary radio-in-feed dish design with high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary Wi-Tek TDMA technology, WI-CPE518-KIT is fully compatible with Wi-Tek base station and CPE thus greatly improving the network scalability in throughput and latency. With 25dBi dual-polarized dish antenna, a pair of WI-CPE518 can easily build 15km+ long range wireless connection and keep a high speed rate. WI-CPE518-KIT is best applied to wireless CCTV Network, wireless backhaul and other industrial wireless solutions.

## Typical Applications



## Specifications

<b>HARDWARE FEATURES</b>	
<b>Processor</b>	Qualcomm AR9344
<b>Memory</b>	64MB SDRAM 8MB Flash
<b>Interface</b>	1X10/100BASE-TX Ethernet Interface
<b>Power Supply</b>	24V Passive PoE Adapter Included
<b>Power Consumption</b>	8W
<b>Dimensions ( H x W x D )</b>	385*385*59mm

<b>Antenna Type</b>	Built-in 25dBi Dual-polarized Directional Antenna Horizontal beam width: 8degree Vertical beam width: 8degree
<b>Protection</b>	10KV Lightning Protection
<b>Enclosure</b>	Die-cast Aluminum IP65 waterproof Certification

<b>WIRELESS FEATURES</b>	
<b>Wireless Standards</b>	802.11a/n
<b>Protocol</b>	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP TDMA
<b>Wireless Mode</b>	AP, Client
<b>Wireless Speeds</b>	11a:54M,48M,36M,24M,18M, 12M,9M,6Mbps 11n:6.5M, 13M, 13.5M, 19.5M, 26M, 27M, 39M, 40.5M, 52M, 54M, 58.5M, 65M, 81M, 108M, 121.5M, 135M, 150M, 270M, 300Mbps
<b>Frequency</b>	4920-6100MHz
<b>Transmission</b>	27dBm(500mW)

<b>WIRELESS FEATURES</b>	
<b>Power</b>	

<b>SOFTWARE FEATURES</b>	
<b>Wireless Configurations</b>	802.11a/n Modes Selectable Channel Width: 20/40MHz Automatic Channel Selection Transmission Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable Security: WPA/WPA2, WPA- PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption SSID Broadcast Enable/Disable Distance/ACK Timeout Setting Wireless MAC Address Filter Wireless Advanced: > Beacon Interval/RTS Threshold/Fragmentation >Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia
<b>Management</b>	WEP management
<b>System-level Optimizations</b>	Optimized IGMP Snooping/Proxy for multicast applications Hardware watch dog