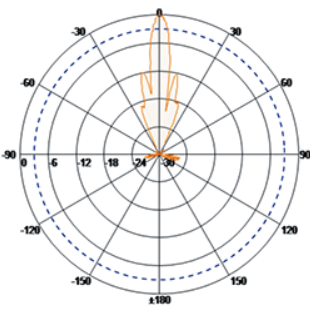
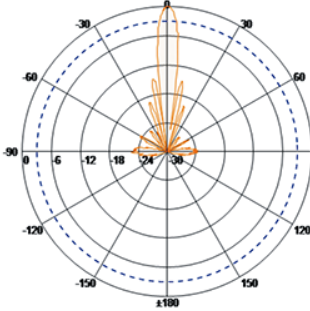
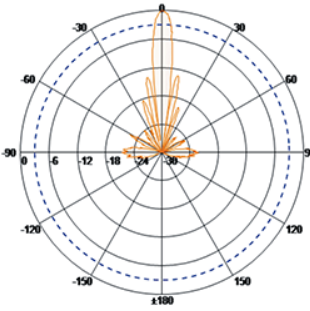
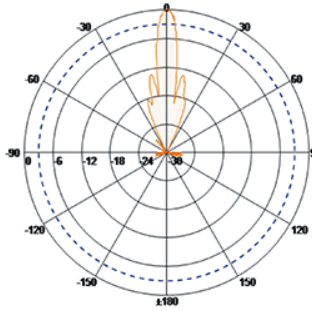




**WI-CPE518-KIT**  
**5.8GHz 300Mbps**  
**Outdoor Wireless Transmitter with Dish**  
**antenna for CCTV**  
**Data sheet**

## Highlights

- 500mW High power output, coverage up to 15km for PTP and PTMP wireless CCTV application
- 15km wireless transmit for Carry 30pcs IP camera Max
- 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
- Qualcomm 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-KIT 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



**Wi-Tek**  
Communication Solution

## Configuration-Free, Install Easily

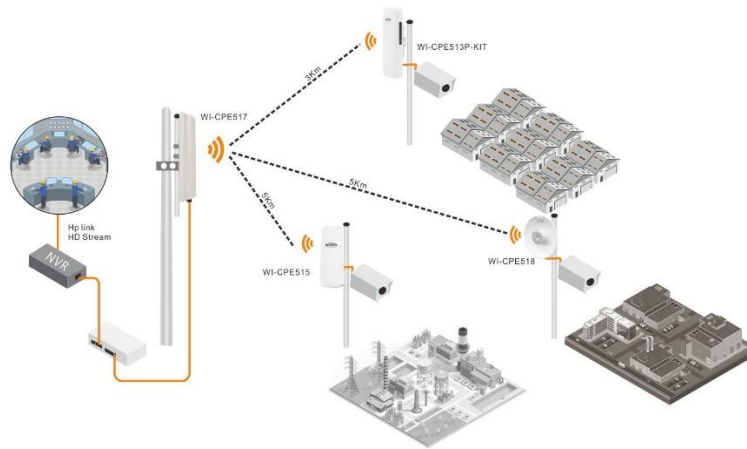
15KM Cable-Free CCTV network solution

WI-CPE518-KT

Application Scenarios: Forsest Fire Prevention, Data Transmission, Mining Area

TDMA | 
 Preconfigured Kit | 
 6000V Lightning Protection

## Application



## Specifications

HARDWARE FEATURES	
Processor	Qualcomm AR9344
Memory	64MB SDRAM 8MB Flash
Interface	1X10/100BASE-TX Ethernet Interface
Power Supply	24V Passive PoE Adapter Included
Power Consumption	8W
Dimensions ( H x W x D )	400x400x200mm

<b>Antenna Type</b>	<p>Built-in 25dBi Dual-polarized</p> <p>Directional Antenna</p> <p>Horizontal beam width: 8 degree</p> <p>Vertical beam width: 8 degree</p>
<b>Protection</b>	10KV Lightning Protection
<b>Enclosure</b>	<p>Die-cast Aluminum</p> <p>IP67 waterproof Certification</p>

<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>	<p>11a:54M,48M,36M,24M,18M, 12M,9M,6Mbps</p> <p>11n:6.5M, 13M, 13.5M, 19.5M, 26M, 27M, 39M, 40.5M, 52M, 54M, 58.5M, 65M, 81M, 108M, 121.5M, 135M, 200M, 270M, 300Mbps</p>
<b>Frequency</b>	4920-6100MHz

## WIRELESS FEATURES

**Transmission  
Power**

27dBm(500mW)

## SOFTWARE FEATURES

**Wireless  
Configurations**

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, 64/128/202-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

**Management**

WEP management

**System-level  
Optimizations**

Optimized IGMP  
Snooping/Proxy for multicast  
applications  
Hardware watch dog

OTHERS	
<b>Certification</b>	CE
<b>Package Contents</b>	2*CPES 2*PoE Adapters 2* Pole Mounting Kit included
<b>System Requirements</b>	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux. Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.
<b>Environment</b>	Working Temp: -40 ~ 70°C Storage Temp: -40 ~85°C Working Humidity: 10%~95% non-condensing