WI-CPE111-KIT
2.4GHz 300Mbps
Outdoor Wireless Transmitter for CCTV
Data sheet
Highlights

- 20dBm High power output, coverage up to 2km for PTP and PTMP application for wireless CCTV
- Wireless B/G/N speed up to 300Mbps
- Support AP, Client mode
- Support open frequency from 2300 to 2700 MHz
- Inside 60 degree 8dBi Directional Antenna Technology
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- Qualcomm QCA9531 600MHz Chipset, 64MB RAM
- 10KV Lightning Protection
- 2km wireless transmit for Carry 3-8pcs 1080P camera
- Easy setup for PTP/PTMP application, no need setting software

Product

![Image of Wi-Tek's WI-CPE111-KIT]

Description

Wi-Tek's WI-CPE111-KIT is a 2.4GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 802.11 b/g/n technology. It is high performance, cost-effective and dedicated to long distance wireless CCTV network solutions. Featuring the revolutionary Wi-Tek technology in firmware design and 8dBi directional dual-polarized antenna, WI-CPE111-
KIT is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions. WI-CPE111-KIT is widely used in various fields of communication:

◆ Point-to-point, Point-to-multipoint wireless communication

◆ Wireless Video Surveillance

◆ Enterprise wireless LAN interconnection

◆ Mobile operators WISP large customer access system

◆ Wi-Fi Wireless city coverage

Typical Applications
## Specifications

### HARDWARE FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Qualcomm QCA9531</td>
</tr>
<tr>
<td>Memory</td>
<td>64MB SDRAM 8MB Flash</td>
</tr>
<tr>
<td>Interface</td>
<td>1X10/100BASE-TX Ethernet Interface</td>
</tr>
<tr>
<td>Power Supply</td>
<td>24V Passive PoE Adapter</td>
</tr>
<tr>
<td></td>
<td>Included</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4W</td>
</tr>
<tr>
<td>Dimensions</td>
<td>160x105x52mm</td>
</tr>
<tr>
<td>Antenna Type</td>
<td>Built-in 8dBi Dual-polarized Antenna</td>
</tr>
<tr>
<td></td>
<td>Horizontal beam width: 60degree</td>
</tr>
<tr>
<td></td>
<td>Vertical beam width: 15degree</td>
</tr>
<tr>
<td>Protection</td>
<td>10KV Lightning Protection</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Outdoor UV Stabilized Plastic</td>
</tr>
<tr>
<td></td>
<td>IP67 waterproof Certification</td>
</tr>
</tbody>
</table>

### WIRELESS FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Standards</td>
<td>802.11b/g/n</td>
</tr>
</tbody>
</table>
### Wireless Features

<table>
<thead>
<tr>
<th>Protocol</th>
<th>CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Mode</td>
<td>AP, Client</td>
</tr>
<tr>
<td>Frequency</td>
<td>2300-2700Hz</td>
</tr>
<tr>
<td>Transmission Power</td>
<td>20dBm (100mW)</td>
</tr>
</tbody>
</table>

### Software Features

| Wireless Configurations | 802.11b/g/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 |
| SOFTWARE FEATURES | 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  
|            | Serial  
| System-level Optimizations | Optimized IGMP  
| | Snooping/Proxy for multicast applications  
| | Hardware watch dog  
| OTHERS | Certification | CE  
| Package Contents | 2*CPE  
| | 2*PoE Adapter  
| | 2* Pole Mounting Kit included  
| System Requirements | 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  
| |  

www.wireless-tek.com
### OTHERS

<table>
<thead>
<tr>
<th>Environment</th>
<th>user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.</th>
</tr>
</thead>
</table>
|             | Working Temp: -40 ~ 70°C  
|             | Storage Temp: -40 ~ 85°C  
|             | Working Humidity: 10%~95% non-condensing |