



DESCRIPTION:

AP80 is a 300Mbps high power outdoor AP with omni antenna; It Complies with IEEE 802.11b/g/n standard, has MTK7620A chipset, 16M flash, 256M DDR2, 5dBi omni antenna, 500mW high power, more than 200 meters Wi-Fi range and is a good choice for indoor & outdoor wifi signal coverage.

With AP, Router and Wi-Fi Repeater operation mode, it can transmit wifi signal in a certain place for outdoor users, or can bridge the existing wifi signal to extend the range.

KS AP80 with ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective, is suited for both indoor as well as outdoor wifi networking projects. It supports Power over Ethernet, passive PoE/IEEE 802.3af PoE, & is easy to setup even if no power socket nearby. With LED light showing signal strength, it is easy to find a suitable place for outdoor AP, saving human work and cost.

Technical Specifications

Hardware:

Chipset:	MT7620A 580MHZ
Wireless:	802.11N, 2T2R 300M MIMO Technology
Memory:	256M DDR2
Flash:	16M
Interface:	2 10/100 Mbps RJ45 Port, support 12~48V PoE 1 Reset Button 1 DC Jack, 12V Power Supply
Antenna:	5dBi omni Antenna
LED Light:	POWER WIFI WAN LAN S1(GPIO9) S2(GPIO14) S3(GPIO11) S4(GPIO12)
Size:	L 257mm , W: 87mm, H: 38 mm
Power:	12V(POE 24V/48V)/1A;110V/220V

Firmware:

Operation Mode:	Gateway/AP/WiFi Repeater
Protocol/Standard:	IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
Wireless:	Auto-Channel selection Distance Control (802.1x Ack timeout) Multiple SSID (4 SSID) BSSID
Security:	WEP Encryption-64/128/152 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) Hide SSID
System Setting:	Web-based configuration (HTTP/Telnet)
Administration:	Admin Password can be configured
System monitoring:	Status in hand , useful statistic and Event log
Log:	Supports local logs, logs host, logs file export
Reset:	Reset or factory defaults
Backup:	Restore settings & configuration of the device to local file

RF Data:

RF Data:	802.11b/g/n 2.4~2.4835GHz Korea, Japan, ETSI, FCC		
Modulation:	OFDM = BPSK,QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK		
Data Rate:	300 Mbps		
Receive Sensitivity:	802.11n(2.4GHz) -90dBm @ MCS0 -72dBm @ MCS7 -90dBm @ MCS8 -68dBm @ MCS15	802.11g - 90dBm @ 6Mbps - 72dBm @ 54Mbps	802.11b - 95dBm @ 1Mbps - 90dBm @ 11Mbps
RF Output Power:	802.11n(2.4GHz) (± 1.5dBm) 27dBm@ MCS0~2/MCS8~10 26dBm @ MCS3/MCS11 26dBm @ MCS4/MCS12 27dBm @ MCS5/MCS13 25dBm @ MCS6/MCS14 26dBm @ MCS7/MCS15	802.11g (±1.5dBm) 27dBm@ 6~24Mbps 26dBm @ 36Mbps 26dBm @ 48Mbps 25dBm @ 54Mbps	802.11b (±1.5dBm) 27dBm@ 1~11Mbps

Physical :

Temperature:	Working: 0°C~55°C, Storage: -20°C to 70°C
Humidity:	5%~95% (typical)

Package :

AP80 unit, 24V /1A PoE Adapte, LAN Cable