LP-2596K

Outdoor Long Range 802.11a/n 5GHz Wireless AP/CPE/Bridge (2T2R)

Features

- Wireless Standards : IEEE 802.11a/n
- Data transmission rate up to 300 Mbps at 40 MHz bandwidth
- Operation Mode: Bridge/Wireless ISP
- Wireless Mode: AP/Station/WDS AP/WDS Station
- Reliable data security including WEP, WPA/WPA2, WPA-PSK/RADIUS, and WPA2-PSK/RADIUS with TKIP/AES encryption.
- DFS (Dynamic Frequency Selection) Channel supported (for EU version)
- Support SNMP V2 management, SSH, NTP, and Telnet.
- Support QoS bandwidth control
- MAC Access Control
- Built-in Web-based management and firmware upgrade
- PoE pass through available on Secondary Ethernet port (Configurable via Web UI)
- Remotely enable system reset by PoE Injector

Specification

Wireless Solution (Chipset)
Atheros AR9344

Flash Memory / SDRAM
16MB/64MB

Physical Interface
One 10/100Mbps Ethernet Port (Main)
One 10/100Mbps Ethernet Port (Secondary)
Reset button
Earth Ground

Antenna
14 dBi Dual Polarization, Directional antenna

Wireless Data Rate
802.11a: up to 54Mbps
802.11n (20MHz): up to 144Mbps
802.11n (40MHz): up to 300Mbps

Channel Bandwidth
20MHz / 40MHz

Frequency Band
5.180 ~ 5.825GHz

Modulation
OFDM

Media Access Control
CSMA/CA

RF Output Power
802.11a: up to 25± 1 dBm
802.11n: up to 24± 1 dBm

Sensitivity
-94dBm @ 802.11a
-93dBm @ 802.11n

Operation Temperature
-20℃ ~ 70℃

Storage Temperature
-30℃ ~ 80℃ ambient temperature

Humidity
0 ~ 90% typical

Power Consumption
12W (Maximum)

Power Requirement
Passive PoE (DC 24V 1A) input

Certification
FCC, CE