WL217 —— Wireless digital bridge

WL217is a high-performance enterprise-class outdoor network bridge product that supports 802.11n technology in the 2.4g frequency band.Unique digital tube matching technology, no computer configuration, easily complete point to point, point to-point (within 8 points) equipment matching.100 megabytes network interface, 2.4g 802.11n mimo technology wireless processing speed up to 300mbps .。Flexible power supply mode, support 24v poe network cable power supply and 12v 1a DC local power supply ，Power supply distance of 50-70 m (related to cable material) .Using outdoor ip65 windproof, rain, dustproof, sunscreen protection grade shell design, easily adapt to the outdoor environment 。Built-in 5dbi bipolar plate-shaped antenna ,Easy and quick to install.It has high performance, high gain, high reception sensitivity, high bandwidth and other characteristics，Greatly enhance the wireless transmission performance and stability, mainly suitable for indoor and outdoor short distance and other places .

Product technical specifications

Product Parameter	
hardware profiles	
Model	WL217
Main chip	MTK7628
dominant frequency	580MHz
Wireless technology	2.4G:300M 802.11b/g/n MIMO technology
Memory	8MB DDR RAM
Flash	1MB
network interface	2*10/100 MbpsAdaptive network interface
button	1*Digital Switch / reset button, Short press on the digital tube display value to add one, Press it long for 15 seconds to restore the factory settings
guiding lights	LAN network interface status indicator, power indicator
Power	24V 0.5A POEpower supply; DC 12V 1A, capacity factor<10W
work environment	Temperature：-30℃～+55℃（work），-40℃ ～+70℃（storage） temperature（Non-condensation）：10％～90％（work），5％～95％（storage）
Product size	203mm×112mm×45mm
product weight	0.65kg
Antenna	5dbi directional plate antenna （Horizontal wave half Angle 90°, Vertical wave half Angle90°)

RF characteristics	
Frequency range	ISM wave range: 2.400GHz ~ 2.4835GHz

Channel distribution	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13
modulation mode	OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK
Output power	802.11n: @MCS7:14±2DB,　　@MCS0:16±2DB 802.11g: @54M:15±2DB,　　@6M:17±2DB 802.11b: @11M:17±2DB,　　@1M:19±2DB
receiving clarity	802.11n: -70dbm@MCS7,　　-88dbm@MCS0 802.11g: -72dbm@54Mbps,　　-88dbm@6Mbps 802.11b: -85dbm@11Mbps,　　-94dbm@1Mbps
EVM	802.11n: ≤-28 DB　　802.11g: ≤-25 DB　　802.11b: ≤-10 DB
Frequency deviation	±20ppm
Software features	
working modes	Main AP second AP（Switch ）
Main network mode	point to point, point to-point (within 8 points)
management mode	WEBtelemanagement
Bridge configuration	Wireless mode: bridge access point / bridge client Access point: bridge ssid / encryption mode / bridge password / protocol / bandwidth / channel / power Client: bridge ssid / encryption mode / bridge password / paired-end mac address / channel / power
network settings	Automatic acquisition / static ip
system	Password modification / reset / upgrade