WL218 —— Wireless digital bridge

WL218is a high-performance enterprise-class outdoor network bridge product that supports 802.11n technology in the 5.8g frequency band.Unique digital tube matching technology, no computer configuration, easily complete point to point, point to-point (within 8 points) equipment matching.1000 megabytesnetwork interface, 5.8g 802.11n mimo technology wireless processing speed up to 900mbps .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 14dbi 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, It is mainly suitable for outdoor long-distance transmission and other places.

Product technical specifications

Product Parameter	
hardware profiles	
Model	WL218
Main chip	MTK7620DA+7612E
dominant frequency	580MHz
Wireless technology	5.8g:300M 802.11b/g/n/ac MIMO technology
Memory	64MB DDR RAM
Flash	8MB
network interface	1*10/100/100 MbpsAdaptive network interface 1*10/100/1000 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	L24.5*W9*H4.5cm
product weight	0.45kg
Antenna	14dbi directional plate antenna (Horizontal wave half Angle 60°, Vertical wave half Angle60°)

RF characteristics	
Frequency range	ISM wave range: 4.900GHz ~ 5.850GHz
Channel distribution	5.8g: 36、40、44、48、52、56、60、64、149、153、157、161
modulation mode	OFDM=BPSK,QPSK,16-QAM,64-QAM, 256-QAM;DSSS= DBPSK,DQPSK,CCK
Output power	11a @54M:20±2dB, @6M:23±2Db 11n 20MHz: @MCS7:23±2dB, @MCS0:23±2dB 11n 40MHz: @MCS7:20±2dB, @MCS0:23±2dB 11ac 40MHz @MCS7:20±2dB, @MCS0:23±2dB 11ac 80MHz @MCS7:20±2dB, @MCS0:23±2Db
receiving clarity	11a: -65dbm@54Mbps, -81dbm@6Mbps 11n 20MHz: -64dbm@MCS7, -82dbm@MCS0 11ac 40MHz: -61dbm@MCS7, -79dbm@MCS0 11ac 80MHz: -58dBm@MCS7 -76dBm@MCS0
EVM	802.11n: ≤-28 dB 802.11a: ≤-25 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