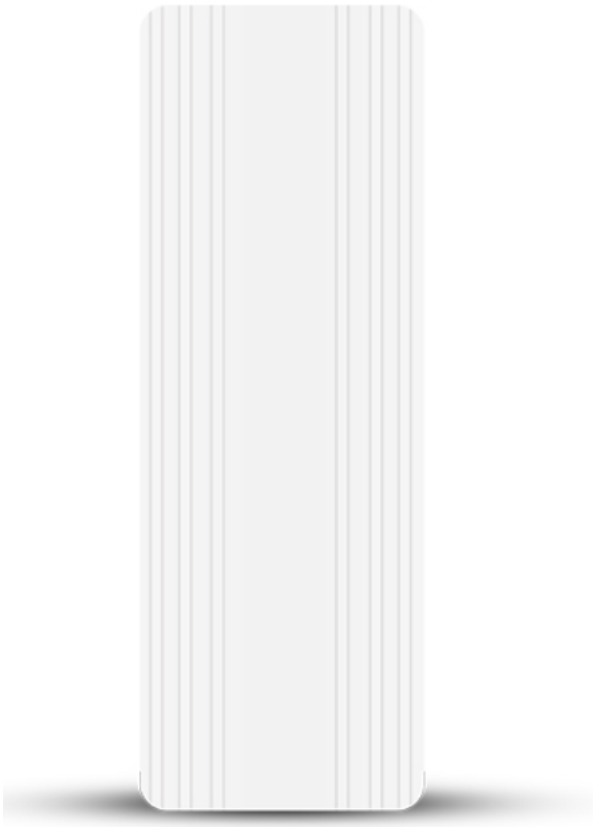
KD-C358L

The Third Generation Digital Display Bridge CPE



Introduction

The KD-G520N is a high-performance enterprise-level outdoor bridge product that supports 5G full frequency band and 802.11A/N/AN/AC technology. Unique digital tube pairing technology, without computer configuration, can easily complete the pairing of point-to-point, point-to-multipoint (within 8 points) devices. Gigabit network interface, 5G 802.11AN MIMO technology wireless processing speed up to 900Mbps. The power supply mode is flexible, supporting 24V POE network cable power supply and 12V 1A DC local power supply, and the network cable power supply distance can reach 80 meters (related to the network cable material).

It adopts outdoor IP65 windproof, rainproof, dustproof and sun protection grade shell design, which can easily adapt to various harsh outdoor environments. Built-in 14dBi dual excitation plate antenna, easy and fast installation. It has the characteristics of high performance, high gain, high receiving sensitivity, high bandwidth, etc., which enhances the wireless transmission performance and stability, widely applicable for medium and short distance video and data transmission.

Features

a. Extremely Performance
The KD-G520N adopts 802.11A/N/AN/AC technology to provide wireless access speed up to 900Mbps, which is about 3 times that of 802.11/b/g/n products in the same environment. Meantime, the conversion rate of NAT is >93%, transmission distance up to 2km.

b. Cost-effective passive PoE
The KD-G520N is able to be supplied power by a power injector using passive PoE technology which is more cost-effective and make it more flexible to deploy the device in outdoor environment, the PoE length is up to 200 feet.

c. Multiple mounting methods
The KD-G520N provides pole mounting and wall mounting design on its back. With mounting kits you can easily mount it in different outdoor or indoor conditions.

d. Simple and efficient pairing
No need for network expertise, no need for computer operation, easily dial the code and adjust the master and slave device digital tubes to the same value to complete the point-to-point, point-to-multipoint (within 8 points) pairing work.

e. Support 5G full frequency band
Supported channels are 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 182, 186, 190, 194 special channels are not turned on by default, and can be turned on when you needed.

Physical Characteristics	
Model	KD-C358L
Chipset	MTK7620DA + 7612E
Flash	8MB (Max Support 16MB)
Memory	64MB DDR RAM (Max Support 128MB DDR RAM)
Network	1*100/1000 Mbps RJ45 + 1*10/100 Mbps self-adaptive RJ45
Button	1*RST Key， 1*Digital Key Short press the digital tube display value plus one, Long press for 15 seconds to restore factory settings
Enclosure	Weatherproof Plastic
LED	Power: On/Off SIG Signal: 1,2,3 ETH: On/Off/Flashing
Power	Passive POE Power 24V, 1A DC 12V, 1A, Power Consumption < 10W
Environment	Working Temp: -30℃ ~ +55℃, Storage Temp: -40℃ ~ +70℃ Working Humidity: 10% ~ 90%, Storage Humidity: 5% ~ 95%
Waterproof	IP65 Grade
Signal lights	Bridge CPE Point: (output power indicator)
	Below 25% (SIG1 is always on), 25%~50% (SIG1-SIG2 is always on), 50%~75% (SIG1-SIG3 is always on), 75%~100% (SIG1-SIG4 are always on).
	Bridge end-user: (Connection signal strength indicator)
	When the connection fails, the running water light will be displayed, when the connection is successful: 0~-65dBm (SIG1-SIG4 always on), -66~-75dBm (SIG1-SIG3 always on), -76~-85dBm (SIG1-SIG2 always on), signal strength below -86dBm (SIG1 always on)
Wireless Characteristics	
Wireless Tech	5.8G: 900Mbps 802.11 a/n/an/ac MIMO
Frequency	5.150~5.825GHz
Speed	802.11ac: 6.5Mbps-867Mbps 802.11n: 6.5Mbps and 300Mbps

Antenna Gain	14dBi dual-polarized directional antenna				
Tx Power	11a @54M:25±2DB, @6M:27±2DB 11n @MCS7:23±2DB, @MCS0:25±2DB				
Rx Sensitivity	11a: 72dbm@54Mbps, -90dbm@6Mbps 11n: -70dbm@MCS7, -90dbm@MCS0				
Wireless Security	WPA/WPA2;WPA-PSK/WPA2-PSK(AES/TKIP)				
5G Channel	36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 182, 186, 190, 194				
EVM	5GHz	Symbol	Parameter	Rx (dBm)	5GHz
	802.11a	Srf (OFDM)	1Rx chain	6Mbps	-88
				54Mbps	-72
	802.11ac	802.11ac VHT20	1 Stream(1x1)	MCS0	-84
				MCS7	-67.5
				MCS8	-64
			2 Stream(2x2)	MCS0	-83
				MCS7	-66.5
				MCS8	-63
		802.11 ac VHT40	1 Stream(1x1)	MCS0	-82
				MCS7	-65.5
				MCS9	-58.5
			2 Stream(2x2)	MCS0	-81
				MCS7	-64.5
				MCS9	-57.5
		802.11 ac VHT80	1 Stream(1x1)	MCS0	-79
				MCS7	-62
				MCS9	-55.5
			2 Stream(2x2)	MCS0	-78
				MCS7	-61
				MCS9	-54.5