

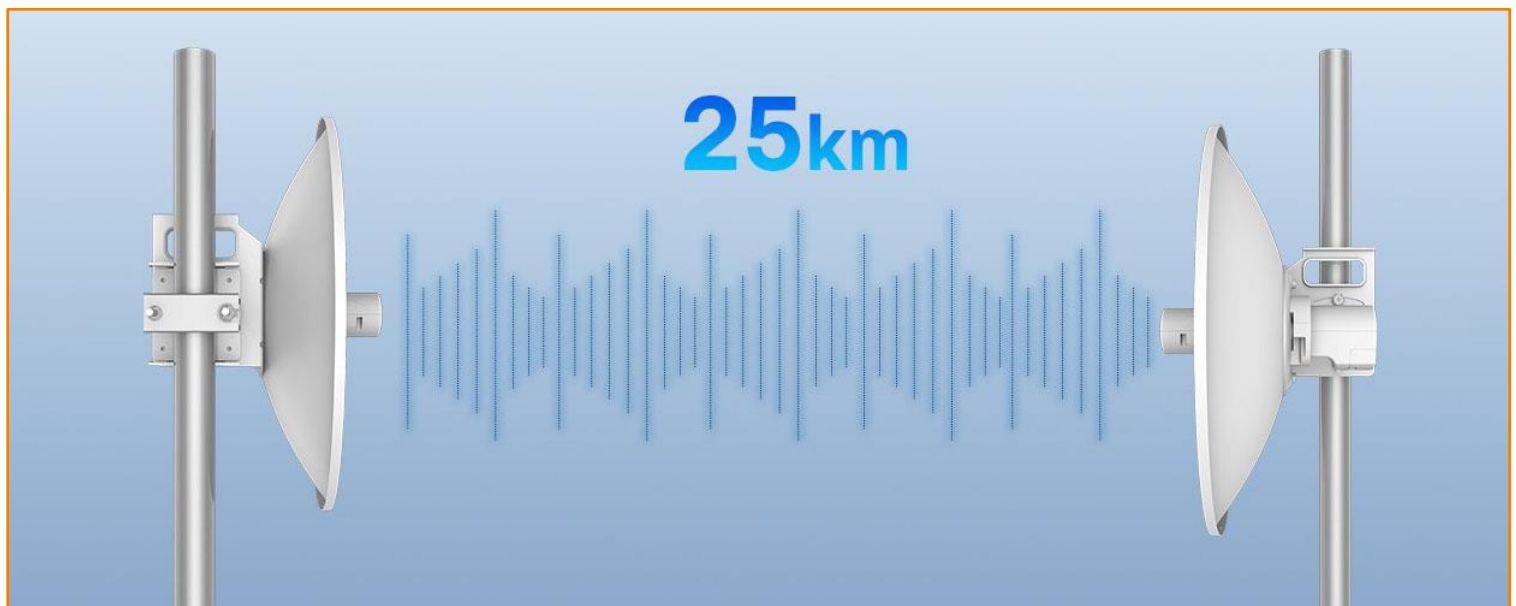
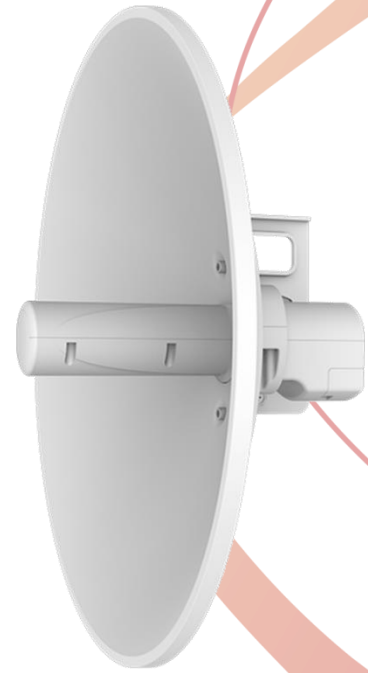
Product Overview

DX855 is a high-performance, high-speed outdoor long-distance wireless bridge with characteristics such as long transmission distance, strong penetration ability, and strong anti-interference ability.

The transmitting unit is integrated into the antenna feed, which avoids line loss between the transmitting unit and the antenna and improves the overall wireless performance.

Main Features

- Support non-standard frequency points, spread spectrum to 4.9-6.1GHz.
- Integrated 25dBi dual polarization dish antenna, up to 25 kilometers.
- TDMA Intelligent Dynamic Polling Protocol
- Support 5, 10MHz narrowband operating bandwidth
- Supporting IPv6, ATPC, VLAN



FEATURES

CPU	QCA9563+QCA9882+QCA8334				
Flash	SPI NOR 16MB				
DDR2	128MB				
5G Band	5.150GHz ~ 5.850GHz				
5G WIFI Protocol	802.11 a / n / ac				
Maximum rate	900Mbps				
Antenna	Integrated 25dBi dual polarization dish antenna				
5G Tx power	802.11a	54M	23±2dBm	6M	26±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	26±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	26±2dBm
	802.11ac VHT20	MCS9	21±2dBm	MCS0	26±2dBm
	802.11ac VHT40	MCS9	21±2dBm	MCS0	26±2dBm
	802.11ac VHT80	MCS9	21±2dBm	MCS0	26±2dBm
5G Receiving sensitivity	802.11a	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-69dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-65dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-62dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-59dBm	MCS0	-84dBm
5G EVM	802.11a_54M: ≤-25 dB; 802.11n_MCS7: ≤-28 dB; 802.11AC_MCS9:≤-32dB				
Freq. Dev. (ppm)	±20ppm				
Port (WAN)	1*10/100/1000M WAN, support 802.3af 48V PoE				
Port (LAN)	1*10/100/1000M LAN				
Supply	802.3af 48V PoE, DC 12~24V				
Consumption	<10W				
Reset Button	Long press for 6-10 seconds to restore factory default configuration				
LED	SYS, WAN, LAN, WIFI signal*5				
Size	Φ466mm*274mm				
Weight	2.2KG				
Environment	Operating temperature: -30°C to 55°C; Storage temperature: -40°C to 70°C; humidity: 5% ~ 95% (No condensation)				
IP grade	IP65				
ESD	Air +/-8K, Contact +/-6K				
Surge protection	Common-Mode: 4K, Differential-Mode: 2K				

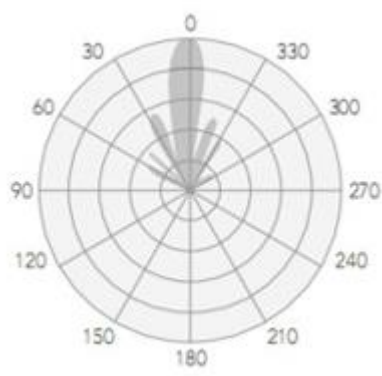
FIRMWARE SPECIFICATIONS

Working mode	Access Point (Automatic WDS), Access Point (TDMA3), Site (WDS/TDMA3), Site (ARPNAT)
Wireless	Intelligent dynamic polling, automatic channel selection, automatic modulation mode selection, automatic transmission power control (ATPC)
Wireless Safety	WPA/WPA2 personal encryption, WPA/WPA2 enterprise encryption, WACL, user isolation
Wireless QoS	TDMA implements 4 queue priority
Network mode	IPv4 IPv6
VLAN	Support VLAN and VLAN transparent transmission
WAN protocol	Static IP, DHCP client
Service	DHCP service, SNMP service, NTP client, route tracking, ping watchdog
Management	HTTP(S) GUI, SSH, SNMP read, WNMS, Telnet
Built Tool	Site survey, connection testing, antenna calibration

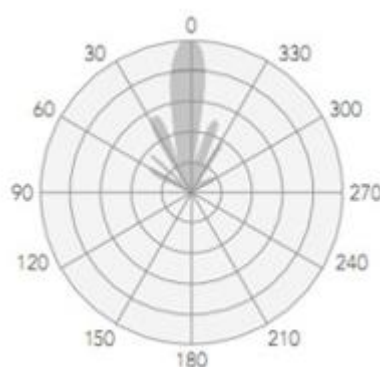
ANTENNA SPECIFICATIONS

Internal antenna	
Frequency range	5180 ~5850 MHz
Gain	25 dBi
Polarization	Dual linear
Cross-pol Isolation	30 dB
VSWR	<1.8
Azimuth beamwidth(H pol)	6 °
Azimuth beamwidth(V pol)	6 °

V-POL



H-POL



11AC 900Mbps 5.8G High Power Wireless Outdoor Bridge (25Km)

Dish antenna	1
PoE adapter	1
Rack kit	1
Gift Box	1

Technical drawing of the 'L' model spotlight, showing front, side, and top views with dimensions.

- Top View (Top):** A circular view showing the four mounting holes arranged in a cross pattern.
- Front View (Left):** A side profile view showing the spotlight's beam spread and mounting bracket.
- Side View (Center):** A side profile view showing the spotlight's depth and mounting bracket. Dimensions include:
 - Beam diameter: $\varnothing 60.0$
 - Mounting bracket width: $\varnothing 18.0$
 - Mounting bracket height: $\varnothing 11.8$
 - Spotlight body height: $\varnothing 46.1$
- Top View (Bottom):** A circular view showing the internal components and the mounting bracket. A dimension of $\varnothing 60.0$ is indicated for the beam diameter.
- Front View (Right):** A side profile view showing the spotlight's beam spread and mounting bracket.
- Side View (Far Right):** A side profile view showing the spotlight's depth and mounting bracket.