
Yoongwin

Company Introduction

Nanjing Yoong Win Situation Awareness Technology Co., Ltd., a wholly-owned subsidiary of Yoong Win Group, has been executing the Group’ s strategic direction since 2019. The strategy focuses on expanding and optimizing the domestic market ecosystem while competing globally through independent innovation. By leveraging the Group’ s advantages in technology, application scenarios, and management, the company has adopted effective measures including R&D, overseas expansion, internal reform, and investment optimization. The Group’ s total investment reaches RMB 215 million, with R&D investment of RMB 180 million in the past three years. This strategy has enabled the company to maintain its technological edge, keep updating databases and achievements, and apply R&D outcomes to subsidiary operations, leading to market recognition, expanded market share, and significant social and economic value.

As of December 2024, the Group has:

28 direct branches

Achieved total sales of RMB 700 million in 2023, which was replicated by October 2024.

R&D Achievements

1000+
Intellectual Property Rights Acquired

¥180M+
Invested in R&D over the past 3 years

Enterprise Qualifications

9
National High-Tech Enterprises

5
Above-Scale Enterprises

1
National High-Tech Enterprises

3Years
Awarded "Nanjing Gazelle Enterprise" (2022-2024)

Product Presentation

Yoongwin Antenna Series

MIMO Omnidirectional Antenna

Technical Specifications	M2QC-2458V8B	
Frequency Range (MHz)	2400 ~ 2500	5150 ~ 5850
Bandwidth (MHz)	100	700
Polarization	Vertical	
Gain (dBi)	8	10
Vertical Beamwidth (°)	22	11
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio (VSWR)	≤2	
Maximum Power (W)	50	
Connector Type	2×N Female 2×2.4&5GHz Dual-band Ports	
Antenna Dimensions (mm)	Φ75×465	
Antenna Weight (kg)	1.3	
Cover Material	PVC (White)	
Ultimate Wind Speed (m/s)	60	
Mast Diameter (mm)	50~90	

MIMO Omnidirectional Ceiling Antenna

Technical Indicators	M2C - 2458V3E	
Frequency Range (MHz)	2400 ~ 2500	5150 ~ 5850
Bandwidth (MHz)	100	700
Polarization Mode	Vertical	
Gain (dBi)	3	5
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio	≤2.5	
Maximum Power (W)	20	
Connector Type	2×RPSMA Male or Customized by User	
	All Ports Support 2.4&5GHz	
Antenna Size (mm)	φ145×35	
Lead Length (cm)	20 or Customized by User	
Antenna Color	White	
Antenna Weight (kg)	0.2	
Mounting Method	Ceiling Mounted	

Terminal Antenna

Technical Indicators	QT2400D
Frequency Range (MHz)	2400 ~ 2483
Bandwidth (MHz)	83
Polarization Mode	Vertical
Gain (dBi)	5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio	≤2
Maximum Power (W)	20
Connector Type	TNC Male
Antenna Length (cm)	21.5
Antenna Weight (g)	40

WiFi Terminal Antenna

Technical Indicators	QC2458SC	
Frequency Range (MHz)	2400 - 2500	5150 - 5850
Polarization Mode	Vertical	
Antenna Gain (dBi)	2 (Excluding Cable Loss)	
Voltage Standing Wave Ratio	≤2	
Input Impedance (Ω)	50	
Connector Type	Shock - proof TNCJ	
Antenna Dimensions (mm)	Φ75×68	
Cable Type	LMR200 Multi - core Cable	
Cable Length (m)	5	
Antenna Weight (kg)	Approx. 0.43	
Housing Material	ABS (Black)	
Maximum Wind Speed (m/s)	35	
Operating Temperature (° C)	-40 ~ 75	
Storage Temperature (° C)	-55 ~ 85	
Mounting Method	Magnetic Adsorption	

Small Suction Cup Antenna

Technical Indicators	QC2400E5
Frequency Range (MHz)	2400 ~ 2500
Bandwidth (MHz)	100
Polarization Mode	Vertical
Gain (dBi)	5.5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio	≤2
Maximum Power (W)	50
Connector Type	SMA Male or as specified by user
Antenna Height (cm)	Approx. 15
Cable Length (m)	3 or as specified by user
Antenna Weight (kg)	Approx. 0.05
Mounting Method	Magnetic Adsorption

MIMO Vehicle Radio Antenna

Technical Indicators	M2-2458V3D	
Frequency Range (MHz)	2400~2500	5150~5850
Bandwidth (MHz)	100	700
Polarization Mode	Vertical/Horizontal	
Gain (dBi)	3	4
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio	≤2	
Maximum Power (W)	20	
Connector Type	2×RPSMA Male or as specified by user All ports support 2.4 & 5GHz	
Antenna Dimensions (mm)	Φ124×160	
Cable Length (m)	3 or as specified by user	
Antenna Housing Color	White	
Antenna Weight (kg)	0.9	
Mounting Method	Magnetic Adsorption	
Mounting Method	Magnetic Adsorption	

Directional Panel Antenna with Back Cavity

Electrical Indicators	DFC58-20VH20BC
Frequency Range (MHz)	5150～5850
Polarization	Vertical/Horizontal
Gain (dBi)	20
Electrical Downtilt (°)	0
Half Power Beamwidth (°)	Horizontal: 20
	Vertical: 12
Port Isolation (dB)	≥25
Front-to-Back Ratio (dB)	≥28
Input Impedance (Ω)	50
Voltage Standing Wave Ratio	≤2
Maximum Power (W)	20
Lightning Protection	DC Ground

Directional Panel Antenna with Back Cavity

Mechanical and Environmental Indicators	Mechanical and Environmental Indicators
Connector Type	2×MMCX Elbow or User Specified
Lead Length	20cm or User Specified
Antenna Size (Length×Width×Thickness: mm)	306×306×25
Cavity Size (Length×Width×Thickness: mm)	180×180×31 (Inner)
Cavity Interface	2×N Type Extension Ports + 1×PG16
Antenna Weight (kg)	Approx. 2.6
Radome Material	ABS
Radome Color	White
Cavity Color	Gray
Mechanical Adjustable Tilt (°)	0 ~ 60
Operating Temperature (℃)	-40 ~ 60
Ultimate Wind Speed (m/s)	60
Boom Diameter (mm)	35 ~ 50
Mounting Part Model	MK004 L-shaped Steel Clamp

Directional Wall-Mounted Antenna

Technical Indicators	DW2458 - 60V10B	
Frequency Range (MHz)	2400～2500	5150～5850
Bandwidth (MHz)	100	700
Polarization Mode	Vertical	
Gain (dBi)	10	11
Beamwidth (°)	E:30 H:60	E:25 H:50
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio	≤2	
Maximum Power (W)	50	
Connector Type	N Female or Customized by User	
Antenna Size (mm)	140×120×40	
Lead Length (cm)	30 or Customized by User	
Antenna Color	White	
Antenna Weight (kg)	0.3	
Mounting Method	Wall - Mounted	

Directional Panel Antenna

2400 ~ 2500MHz 30°14dBi 0° Electrical Downtilt	
Electrical Specifications	DF24-30VH14D
Frequency Range (MHz)	2400～2500
Polarization	Vertical/Horizontal
Gain (dBi)	14
Electrical Downtilt (°)	0
Half-power Beamwidth (°)	Horizontal: 30
	Vertical: 30
Front Port Isolation (dB)	≥25
Front-to-Back Ratio (dB)	≥25
Input Impedance (Ω)	50
Voltage Standing Wave Ratio	≤1.5
Maximum Power (W)	50
Lightning Protection	DC Ground

Directional Panel Antenna

Mechanical & Environmental Specifications	
Connector Type	2×N Female Connector
Lead Length	/
Antenna Dimensions (Length×Width×Thickness: mm)	190×190×40
Antenna Weight (kg)	1
Radome Material	ABS
Radome Color	White
Mechanical Adjustable Tilt (°)	0～30
Operating Temperature (℃)	-40～60
Extreme Wind Speed (m/s)	60
Mast Diameter (mm)	35～50
Mounting Bracket Model	MK004 L-shaped Steel Clamp

Small Directional Panel Antenna

2400 ~ 2500MHz 30°14dBi 0° Electrical Downtilt	
Electrical Specifications	DF24-30V14F
Frequency Range (MHz)	2400～2500
Polarization	Vertical
Gain (dBi)	14
Electrical Downtilt (°)	0
Half-power Beamwidth (°)	Horizontal: 30
	Vertical: 28
First Upper Side-lobe Suppression (dB)	/
Front-to-Back Ratio (dB)	≥25
Input Impedance (Ω)	50
Voltage Standing Wave Ratio	≤1.5
Maximum Power (W)	50
Lightning Protection	DC Ground

Small Directional Panel Antenna

Mechanical & Environmental Specifications	
Connector Type	N Female or as specified by customer
Connector Position	Bottom
Antenna Dimensions (Length×Width×Thickness: mm)	223×194×46
Antenna Weight (kg)	1.1
Radome Material	ABS
Radome Color	White
Mechanical Adjustable Tilt (°)	-20～20
Operating Temperature (℃)	-40～60
Extreme Wind Speed (m/s)	60
Pole Diameter (mm)	35～50
Mounting Kit Model	MK004C L-shaped Steel Clamp

Omnidirectional Fiberglass Antenna

2400 ~ 2500MHz 3dBi Vertical Polarization	
Technical Specifications	QB24V3AM
Frequency Range (MHz)	2400～2500
Bandwidth (MHz)	100
Polarization	Vertical
Gain (dBi)	3
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤1.5
Maximum Power (W)	50
Connector Type	N Male
Antenna Length (cm)	19
Antenna Weight (kg)	Approximately 0.1
Cover Material	Fiberglass (Gray)
Ultimate Wind Speed (m/s)	60
Mounting Method	Used with suction cup mounts

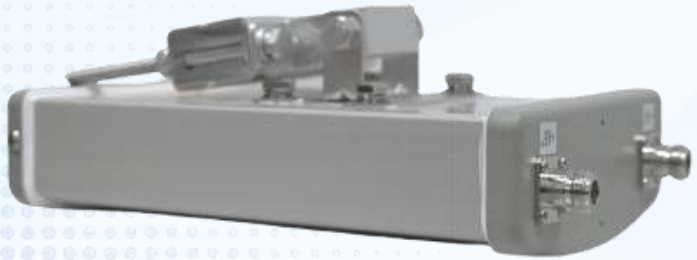
Omnidirectional Fiberglass Antenna

2400 ~ 2483MHz 5dBi Vertical Polarization	
Technical Specifications	QB24V5AM
Frequency Range (MHz)	2400～2483
Bandwidth (MHz)	83
Polarization	Vertical
Gain (dBi)	5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤1.5
Maximum Power (W)	50
Connector Type	N Male
Antenna Length (cm)	29.5
Antenna Weight (kg)	Approximately 0.2
Cover Material	Fiberglass (Gray)
Ultimate Wind Speed (m/s)	60
Mounting Method	Used with suction cup mounts

Omnidirectional Ceiling Antenna

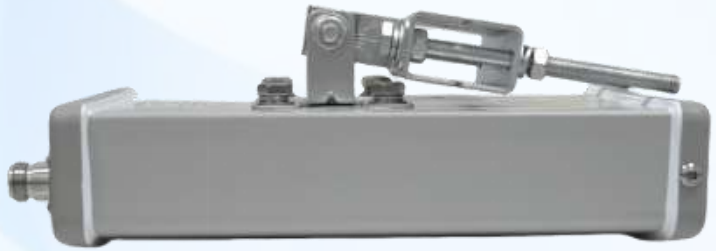
Technical Indicators	QE2458D	
Frequency Range (MHz)	2400～2500	5150～5850
Bandwidth (MHz)	100	700
Polarization Mode	Vertical	
Gain (dBi)	2.5	4.5
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio	≤2	
Maximum Power (W)	20	
Connector Type	N Female or Customized by User	
Antenna Size (mm)	φ124×47	
Lead Length (cm)	30 or Customized by User	
Antenna Color	White	
Antenna Weight (kg)	0.15	
Mounting Method	Ceiling Mounted	

Sector Panel Antenna



Electrical Specifications	DB2458C - 65D12A	DB2458C - 65D12A
Frequency Range (MHz)	2400～2500	5150～5850
Polarization	±45°	±45°
Gain (dBi)	11.5	14.5
Electrical Downtilt (°)	0	0
Half Power Beamwidth (°)	Horizontal: 65	Horizontal: 65
	Vertical: 30	Vertical: 12
Port Isolation (dB)	≥20	≥20
Front - to - Back Ratio (dB)	≥20	≥20
Input Impedance (Ω)	50	50
VSWR	≤1.5	≤2
Maximum Power (W)	50	50
Lightning Protection	DC Ground	DC Ground

Sector Panel Antenna



Mechanical & Environmental Specifications	
Connector Type	2×N Female
Connector Position	Bottom
Antenna Dimensions (L×W×H: mm)	250×167×55
Packaging Dimensions (mm)	295×180×125
Antenna Weight (kg)	Approx. 1.3
Radome Material	UPVC
Radome Color	Gray
Mechanical Tilt (°)	0～30
Operating Temperature (℃)	-40～60
Extreme Wind Speed (m/s)	60
Pole Diameter (mm)	35～75
Mounting Bracket Model	MK003

Dual-Polarized Omnidirectional Antenna

2400 ~ 2500MHz 8dBi Vertical/Horizontal Dual-polarization	
Technical Specifications	QB24VH8A
Frequency Range (MHz)	2400～2500
Bandwidth (MHz)	100
Polarization	Vertical/Horizontal
Gain (dBi)	8
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤1.8
Maximum Power (W)	50
Connector Type	2×N Female
Antenna Dimensions (mm)	Φ75×650
Antenna Weight (kg)	1.9
Cover Material	PVC (White)
Ultimate Wind Speed (m/s)	60
Mast Diameter (mm)	50~90

Bidirectional Ceiling-Mounted Antenna

Technical Indicators	QE2458D	
Frequency Range (MHz)	2400～2500	5150～5850
Bandwidth (MHz)	100	700
Polarization Mode	Vertical	
Gain (dBi)	2.5	4.5
Input Impedance (Ω)	50	
Voltage Standing Wave Ratio	≤2	
Maximum Power (W)	20	
Connector Type	N Female or Customized by User	
Antenna Size (mm)	φ124×47	
Lead Length (cm)	30 or Customized by User	
Antenna Color	White	
Antenna Weight (kg)	0.15	
Mounting Method	Ceiling Mounted	

Directional Single-Port Wall-Mount Antenna

DSPBG698-4200V-20W-8i-N-F			
Electrical specifications			
Frequency range (MHz)	698-960	1710-2690	3300-4200
Polarization	Vertical		
Gain(dBi)	6	7	8
Horizontal beam-width(°)	80	65	55
3dB Vertical beam-width(°)	70	60	35
VSWR	≤1.8	≤1.8	≤1.8
Intermodulation IM3(dBc)	≤-150dBc(@2*43dBm)		
Impedance(Ω)	50		
Maximum input power(W)	50		
Mechanical specifications			
Connector	1×N-Female		
Connector position	Bottom		
Size(mm)	175 x 165 x 60		
weight(kg)	0.35		
Radome material	ABS		
Radome color	White		
Operating temperature(℃)	-40～65		
Mounting Kit	On-wall		

Omnidirectional Single-Port Ceiling-Mount Antenna

YWXD617-6000V-20W-5i-N-F				
Electrical specifications				
Frequency range (MHz)	617-960	1710-2700	3300-4000	4900-6000
Polarization	Vertical			
Gain(dBi)	2	3	4	4.5
Horizontal beam-width(°)	360			
3dB Vertical beam-width(°)	85	35	30	28
VSWR	≤1.8	≤1.8	≤1.8	≤1.8
Intermodulation IM3(dBc)	≤-150dBc(@2*43dBm)			
Impedance(Ω)	50			
Maximum input power(W)	50			
Mechanical specifications				
Connector	1×N-Female			
Connector position	Bottom			
Size(mm)	Φ230×150			
weight(kg)	0.45			
Radome material	ABS			
Radome color	White			
Operating temperature(℃)	-40～65			
Mounting Kit	Ceiling, via hole			

Omnidirectional Single-Port Ceiling-Mount Antenna

DSPXD698-4000V-2W-5i-N-F			
Electrical specifications			
Frequency rang (MHz)	698-960	1710-2700	3300-4000
Polarization	Vertical		
Gain(dBi)	2	5	5.5
Horizontal beam-width(°)	360		
3dB Vertical beam-width(°)	85	50	40
VSWR	≤1.5	≤1.5	≤1.8
Intermodulation IM3(dBc)	≤-150dBc(@2*33dBm)		
Impedance(Ω)	50		
Maximum input power(W)	50		
Lightning protection	DC grounded		

Mechanical specifications	
Connector	1×N-Female
Connector position	Bottom
Size(mm)	Φ186 x 83
weight(kg)	0.28
Radome material	ABS
Radome color	White
Operating temperature(℃)	-40～65
Mounting Kit	On-wall

Omnidirectional Dual-Port Ceiling-Mount Antenna

DSPXD617-6000H2-20W-6i-N-F				
Electrical specifications				
Frequency range (MHz)	617-960	1710-2700	3300-4000	4900-6000
Polarization	Linear(Horizontal) x 2			
Gain(dBi)	2.2	4.5	5.5	6.0
Horizontal beam-width(°)	360			
3dB Vertical beam-width(°)	105	40	40	30
VSWR	≤1.8	≤1.8	≤1.8	≤1.8
Isolation(dB)	≥16	≥20	≥23	≥23
Intermodulation IM3(dBc)	≤-150dBc(@2*43dBm)			
Impedance(Ω)	50			
Maximum input power(W)	50			

Mechanical specifications	
Connector	2×N-Female
Connector position	Bottom
Size(mm)	Φ280×18
weight(kg)	0.55
Radome material	ABS
Radome color	White
Operating temperature(℃)	-40～65
Mounting Kit	Ceiling, via hole

Omnidirectional Quad-Port Ceiling-Mount Antenna

DSPXD617-6000H2-20W-6i-N-F				
Electrical specifications				
Frequency range (MHz)	617-960	1710-2700	3300-4000	4900-6000
Polarization	Linear(Horizontal) x 4			
Gain(dBi)	2.2	4.5	5.5	6.0
Horizontal beam-width(°)	360			
3dB Vertical beam-width(°)	105	40	40	30
VSWR	≤1.8	≤1.8	≤1.8	≤1.8
Isolation(dB)	≥16	≥20	≥23	≥23
Intermodulation IM3(dBc)	≤-150dBc(@2*43dBm)			
Impedance(Ω)	50			
Maximum input power(W)	50			

Mechanical specifications	
Connector	2×N-Female
Connector position	Bottom
Size(mm)	Φ280×18
weight(kg)	0.55
Radome material	ABS
Radome color	White
Operating temperature(℃)	-40～65
Mounting Kit	Ceiling, via hole

Portable omnidirectional antenna

2400 ~ 2483MHz 5dBi Vertical Polarization	
Technical Specifications	YW-QT2400D-S
Frequency Range (MHz)	2400～2483
Bandwidth (MHz)	83
Polarization	Vertical
Gain (dBi)	5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤2
Maximum Power (W)	20
Connector Type	SMA Male
Antenna Length (cm)	20.5
Antenna Weight (kg)	40

Omnidirectional Antenna

2400 ~ 2483MHz Omnidirectional Antenna	
Technical Specifications	YW-QT2400FB-3
Frequency Range (MHz)	2400～2483
Bandwidth (MHz)	83
Polarization	Vertical
Gain (dBi)	5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤2
Maximum Power (W)	20
Connector Type	N Male
Antenna Length (cm)	27.3
Antenna Color	Gray
Antenna Weight (kg)	Approx. 0.1

Dual-Band Omnidirectional Antenna

2400 ~ 2500/5150 ~ 5850MHz Dual-Band Omnidirectional Antenna	
Technical Specifications	YW-QT2458F
Frequency Range (MHz)	2400～2500 | 5150～5850
Bandwidth (MHz)	100 | 700
Polarization	Vertical
Gain (dBi)	2.5
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤2
Maximum Power (W)	20
Connector Type	N Male
Antenna Dimensions (mm)	φ20×90
Antenna Color	Black
Antenna Weight (g)	Approx. 30

Directional Wall-Mount Antenna

Electrical Specifications	YW2458-65VH08B
Frequency Range (MHz)	2400~2500 | 5150~5850
Polarization	Vertical/Horizontal
Gain (dBi)	8
Half-Power Beamwidth (°)	H-plane:65 | E-plane:40
Port Isolation (dB)	≥25
Front-to-Back Ratio (dB)	≥25
Input Impedance (Ω)	50
VSWR	≤2
Max Power (W)	50

Mechanical & Environmental Specifications	
Connector Type	2×RPSMAJ
Cable Length	10cm or customer specified
Antenna Dimensions (L×W×H, mm)	140×120×40
Antenna Weight (kg)	0.5
Antenna Material	ABS
Antenna Color	White
Operating Temperature (°C)	-40~60
Storage Temperature (°C)	-40~85
Mounting Method	Wall-Mount

S/T series

Our product is specifically designed to solve the problems of call drops and limited signal coverage in homes and offices. By enhancing the incoming and outgoing cellular signals, it ensures that you stay closely connected with your family and friends. the problems of call drops and limited signal coverage in homes and offices. By enhancing the incoming and outgoing cellular signals, it ensures that you stay closely connected with your family and friends.
Enhance mobile phone signals in homes and offices

Mobile Phone Signal Booster

YOONGWIN

Omni Outdoor Antenna

User’ s Manual

Antenna

Cable

Mounting bracket

Three - dimensional diagram

Three - dimensional diagram

Three - dimensional diagram

performance index

Model No	S5-A									
Frquency	Uplink					Downlink				
Frequency Range	698-716MHz (B12)	776-787MHz (813)	824-849MHz (B5)	1850-1915MHz (B2)	1710-1755MHz (B4)	728-746MHz (812)	746-757MHz (813)	869-894MHz (B5)	1935-1995MHz (B2)	2110-21S5MHz (B4)
Output Power (dBm)	20dBm (Maximum)									
Gain (dB)	70dB (Maximum)									
Ripple in Band	≤7dB									
IMD3	<-32dBc									
Noise Figure	<8dB									
Power Supply	DC5V/3A									
Temperature	4oto+158oF									
Dimensions	445x258x180mm (Kit)									
Weight	s1kg(Booster) ≤3.5kg (Kit)									
	LCD Indicator (Touch Screen)									
	Band	Frequency: 700MHz(B12)/700MHz(B13)/850MHz(85)/1900MHZ(B2)/AWS2100(B4)								
	Outdoor	Outdoor Signal Strength, Range-50~-70								
	G(UL)	Uplink Gain:65								
	20dBm	Booster output power: 0-20								
	G(DL)	Downlink Gain:70								
	A	Setting Key (Hold 3 Seconds to switch between Auto Mode and Manual Mode, Gain can be adjusted under Manual Mode.								
	0	Enter/Reset Key (Press for Enter, Hald for Reset)								
	+ -	Up and Down button								
	LED Lights	The lights show the booster working status.Green: Working Normally.Orange:Working Normally with Attenuation under 25dB, Red:Self-Osillation Alarm on								
	Smart Indicator	Light on	Auto Mode (Booster work under default smart settings)							
		Light off	Manual Mode (Allow user to adjust the uplinkand downlink gain manually) Hold Setting Key for 3 seconds to enter Manual Mode press "+" -'to increase or decrease the gain,press Enter/Reset key to confirm each setting.							

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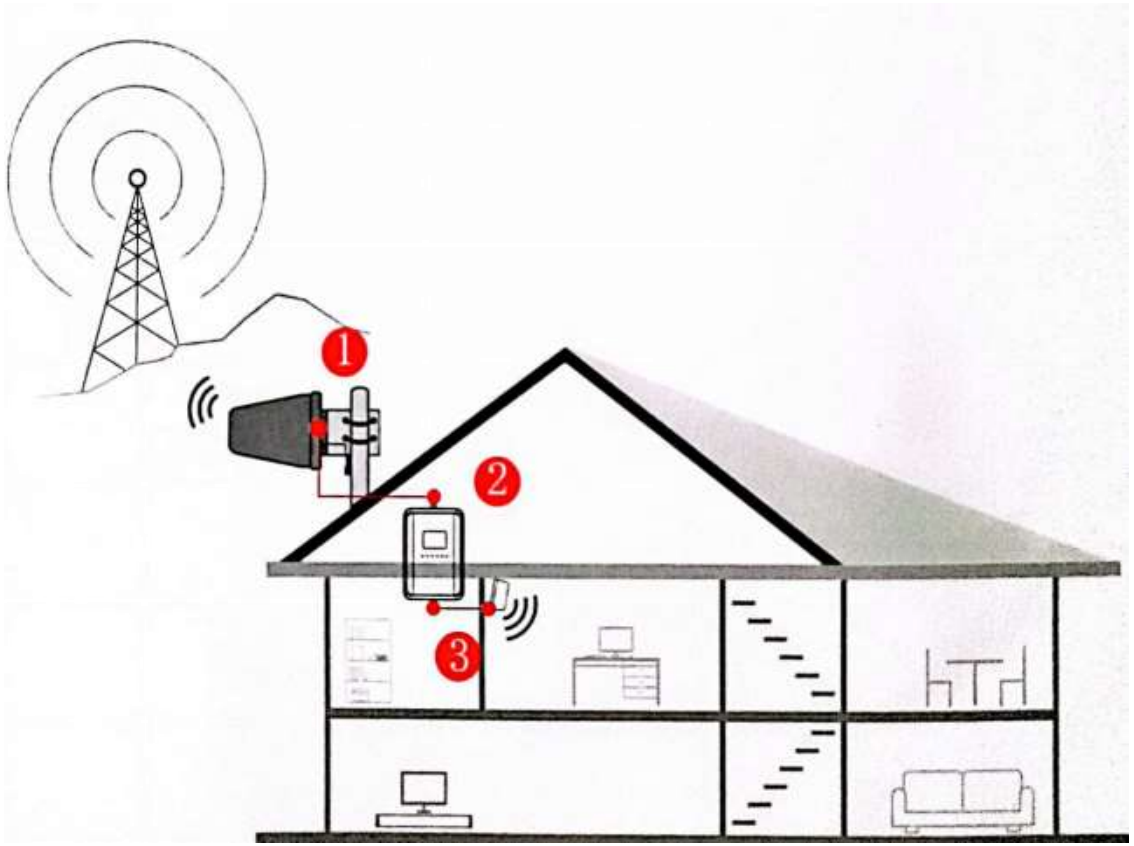
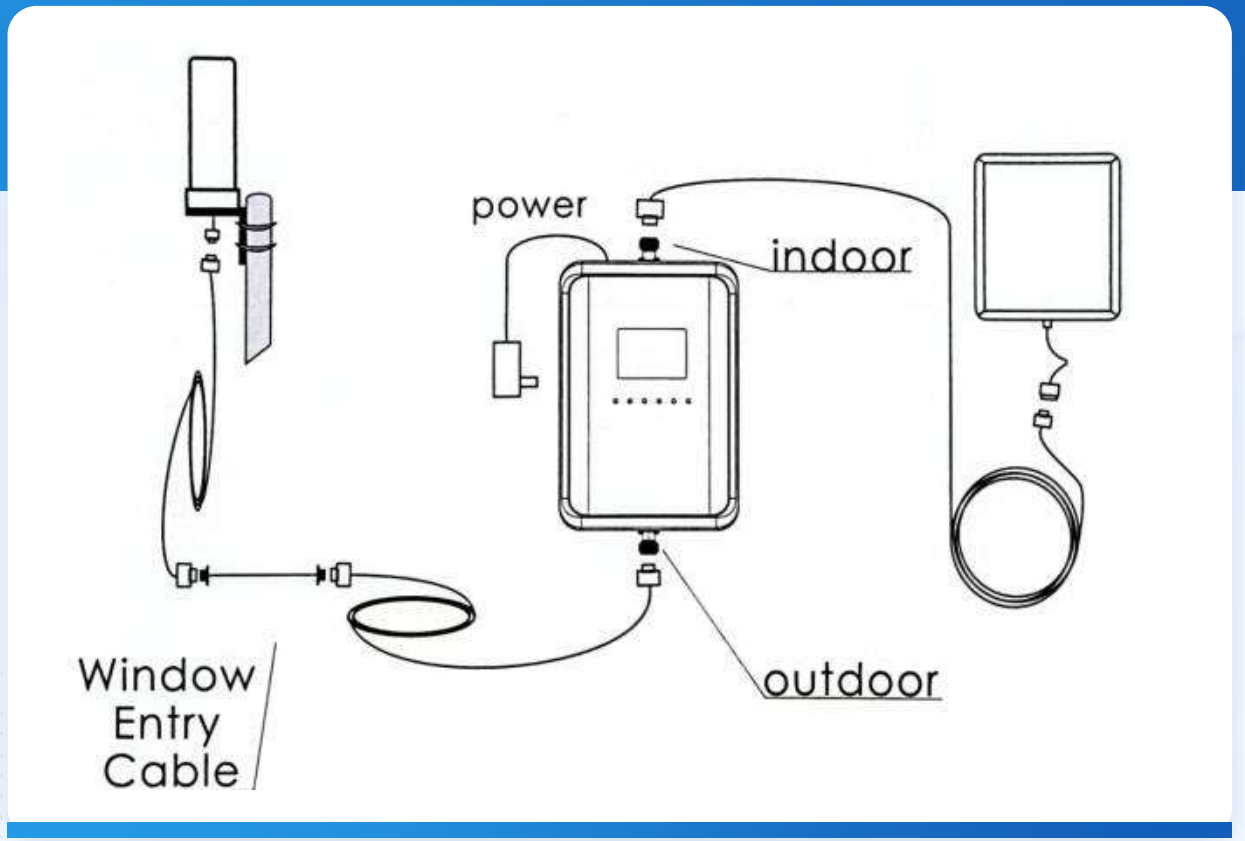


Mobile Phone Signal Booster

- Outdoor antenna receives outside signal from the nearby cell tower and sendsit to booster
- The booster amplifies the signal and sends to indoorantenna
- Indoorantenna receives amplified signal and sends it throughout yourrooms.

Installation of the Signal Booster

The supercharger can be placed on a flat surface or mounted on a wall.



YOONGWIN

THANK YOU!

Nanjing YoongWin Situation Awareness Technology Co., Ltd.