sunhans
idea

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IDMTrade

sunhans

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About *Sunhans*

Sunhans has products that facilitate communication to thousands of businesses and individuals

Sunhans was founded in 2008 with the purpose of innovating in the field of telecommunications, researching new technologies and initiatives to better global communication.

Currently, Sunhans has products that facilitate communication to thousands of businesses and individuals. We like to call ourselves *troubleshooters* because we specialize in solving the problems of wireless networks and mobile signal coverage. In addition, we specialize in manufacturing the latest technology in our field. For example, new wireless networking protocols.
We are always ahead of other manufacturers. Because we always are anticipating and innovating. This is one of the reasons for our customers trust.

Sunhans has a team of highly qualified people. Engineers with a long career and a good knowledge of the technology, legal advisers who make our products to meet the standards of all countries of the world. Friendly, sincere, and cheerful salespeople, expert in telecommunications. Logistics managers with big constancy in their job are responsible of making sure that everything reaches its destination on time and to supervise every minute of the shipment. Production managers who oversee the technical quality control and finish every production, from the start of the delivery to the carrier.

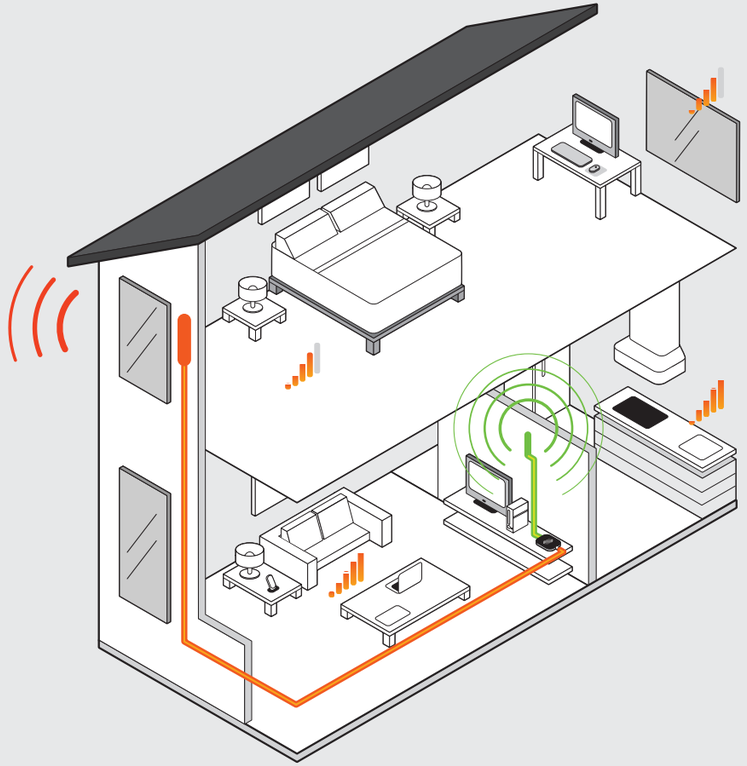
Until 2013, our work was focused mostly on the Chinese market, exporting to Europe and America only a 10% of the production. But this year we have shifted this percentage, to almost exclusively producing products for foreign markets.

Sunhans faces a big change this year. A change in mentality, a change in the market, a quality change, a change of brand image.

We have factory in Shenzhen (China), a Hong Kong office and logistics warehouses in Spain, Germany and Mexico. Our distribution network is as fast and effective as our production. So that in our company, nothing fails, and to assure that if something fails, it is solved with the same agility with which we act on the other aspects of our work.

Mobile Signal *Repeater*

How it *works*



eSunCel LITE

Max gain 60 dB

light & small

1 or 2 rooms

Single or multi frequency

ALC Automatic Level Control

Technical Specifications

Input power: -70 ~ -40dBm
Max up link gain: 58dB
Max down link gain: 60dB
Max output power: +15dBm
Impedance: 50 Ohms
Isolation: >70dB
Connector type: RP-SMA female
Power supply: 5V/2A DC, 100~240V
Compact design: Indoor use

eSunCel LITE Single Frequency

700MHz Single Frequency

SHL0712LT
Band12
Up Link: 699-716MHz Down Link: 729-746MHz

SHL0713LT
Band13
Up Link: 777-787MHz Down Link:746-766MHz

SHL0714LT
Band14
Up Link: 788-798MHz Down Link:758-768MHz

SHL0712LT
Band17
Up Link: 699-716MHz Down Link: 729-746MHz

800MHz Single Frequency

SHL0820LT
Band20
Up Link: 832-862MHz Down Link:791-821MHz

SHC0805LT
Band5
Up Link: 824-849MHz Down Link:869-894MHz

900MHz 1800MHz 1900MHz Single Frequency

SHEG0908LT
Band8
Up Link: 880-915MHz Down Link: 925-960MHz

SHD1803LT
Band3
Up Link: 1710-1785MHz Down Link: 1805-1880MHz

SHP1925LT
Band25
Up Link: 1850-1915MHz Down Link: 1930-1995MHz

2100MHz 2600MHz Single Frequency

SHAWS2104LT
Band4
Up Link: 1710-1755MHz Down Link: 2110-2155MHz

SHW2101LT
Band1
Up Link: 1920-1980MHz Down Link: 2110-2170MHz

SHL2607LT
Band7
Up Link: 2500-2570MHz Down Link: 2620-2690MHz

eSunCel LITE

Multi Frequency

Dual Band
850MHz
1900MHz

SHC08P19LT
Band5/Band25
Up Link: 824-849MHz Down Link: 869-894MHz
Up Link: 850-1915MHz Down Link: 1930-1995MHz

Dual Band
900MHz
2100MHz

SHEG09W21LT
Band8/Band1
Up Link: 880-915MHz Down Link: 925-960MHz
Up Link: 1920-1980MHz Down Link: 2110-2170MHz

Dual Band
1800MHz
2600MHz

SHD18L26LT
Band3/Band7
Up Link: 1710-1785MHz Down Link: 1805-1880MHz
Up Link: 2500-2570MHz Down Link: 2620-2690MHz

5 Band
Multi
Frequency

SHAL5001LT

BAND17	700MHz	Up Link: 704-716MHz	Down Link: 734-746MHz
BAND13	700MHz	Up Link: 777-787MHz	Down Link: 746-756MHz
BAND5	850MHz	Up Link: 824-749MHz	Down Link: 869-894MHz
BAND4	1700/2100MHz	Up Link: 1710-1755MHz	Down Link: 2110-2155MHz
BAND25/2	1900MHz	Up Link: 1850-1915MHz	Down Link: 1930-1995MHz

SHAL5002LT

BAND8	900MHz	Up Link: 890-915MHz	Down Link: 935-960MHz
BAND8	900MHz	Up Link: 890-915MHz	Down Link: 935-960MHz
BAND3	1800MHz	Up Link: 1710-1785MHz	Down Link: 1805-1880MHz
BAND1	2100MHz	Up Link: 1920-1980MHz	Down Link: 2110-2170MHz
BAND7	2600MHz	Up Link: 2500-2570MHz	Down Link: 2620-2690MHz

eSunCel PLUS

Max gain 65 dB

Powerful

For large areas and big house

Single or multi frequency

ALC Automatic Level Control

Technical Specifications

Input power: -70 ~ -40dBm
Max up link gain: 62dB
Max down link gain: 65dB
Max output power: +15dBm
Impedance: 50 Ohms
Isolation: >70dB
Connector type: N-K female
Power supply: 5V/2A DC, 100~240V
Compact design: Indoor use

eSunCel PLUS Single Frequency

700MHz Single Frequency

SHL0712PL
Band12
Up Link: 699-716MHz Down Link: 729-746MHz

SHL0713PL
Band13
Up Link: 777-787MHz Down Link: 746-766MHz

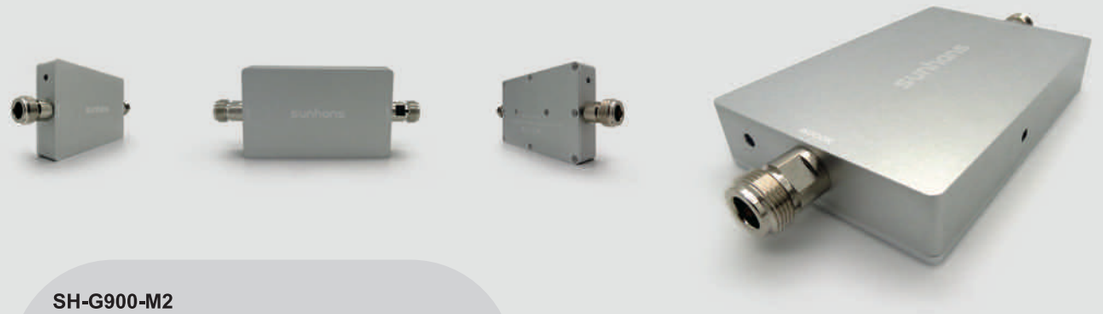
SHL0714PL
Band14
Up Link: 788-798MHz Down Link: 758-768MHz

SHL0717PL
Band17
Up Link: 699-716MHz Down Link: 729-746MHz

800MHz Single Frequency

SHL0820LT
Band20
Up Link: 832-862MHz Down Link: 791-821MHz

SHC0805LT
Band5
Up Link: 824-849MHz Down Link: 869-894MHz



900MHz 1800MHz 1900MHz Single Frequency

SH-G900-M2
Band8
Up Link: 890-915MHz Down Link: 935-960MHz

SH-G935-M2
Band8
Up Link: 880-915MHz Down Link: 925-960MHz

SH-DA1800-M2
Band3
Up Link: 1710-1785MHz Down Link: 1805-1880MHz

SHP1925PL
Band25
Up Link: 1850-1915MHz Down Link: 1930-1995MHz

2100MHz 2600MHz Single Frequency

SHAWS2104PL
Band4
Up Link: 1710-1755MHz Down Link: 2110-2155MHz

SH-WA2100-M2
Band1
Up Link: 1920-1980MHz Down Link: 2110-2170MHz

SH-LT2600-M2
Band7
Up Link: 2500-2570MHz Down Link: 2620-2690MHz

eSunCel PLUS Multi Frequency

Dual Band
850MHz
1900MHz

SHC08P19PL
Band5/Band25
Up Link: 824-849MHz Down Link: 869-894MHz
Up Link: 850-1915MHz Down Link: 1930-1995MHz

Dual Band
Frequency

SH-G900W2100-D2
Band8/Band1
Up Link: 890-915MHz Down Link: 935-960MHz
Up Link: 1920-1980MHz Down Link: 2110-2170MHz

SH-G935W2100-D2
Band8/Band1
Up Link: 880-915MHz Down Link: 925-960MHz
Up Link: 1920-1980MHz Down Link: 2110-2170MHz

SH-D18L26-D2
Band3/Band7
Up Link: 1710-1785MHz Down Link: 1805-1880MHz
Up Link: 2500-2570MHz Down Link: 2620-2690MHz

SH-G09D18-D2
Band/Band1
Up Link: 890-915MHz Down Link: 935-960MHz
Up Link: 1710-1785MHz Down Link: 1805-1880MHz

How it works

Max gain 48 dB

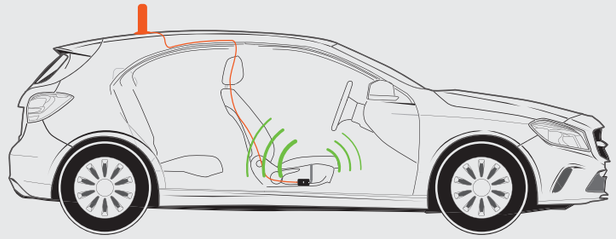
light & small

For vehicles like cars and trucks

Single or multi frequency

ALC Automatic Level Control

Technical Specifications
Input power: -70 ~ -40dBm
Max Up link gain: 48dB
Max Down link gain: 48dB
Max output power: +15dBm
Impedance: 50 Ohms
Isolation: >70dB
Connector type: RP-SMA female
Power supply: 5V/2A DC, 100~240V
Compact design: Indoor use



eSunCel PORTABLE Single Frequency

700MHz Single Frequency

SHL0712LW
Band17 Up Link: 699-716MHz Down Link: 729-746MHz

SHEG0908LW
Band8 Up Link: 880-915MHz Down Link: 925-960MHz

1800MHz 1900MHz 2100MHz Single Frequency

SHD1803LW
Band3 Up Link: 1710-1785MHz Down Link: 1805-1880MHz

SHP1925LW
Band25 Up Link: 1850-1915MHz Down Link: 1930-1995MHz

SHAWS2104LW
Band4 Up Link: 1710-1755MHz Down Link: 2110-2155MHz

SHW2101LW
Band1 Up Link: 1920-1980MHz Down Link: 2110-2170MHz

eSunCel PORTABLE Multi Frequency

Dual Band Frequency

SHC08P19LW

Band5	850MHz	Up Link: 824-849MHz	Down Link: 869-894MHz
BAND25/2	1900MHz	Up Link: 850-1915MHz	Down Link: 1930-1995MHz

5 Band Multi Frequency

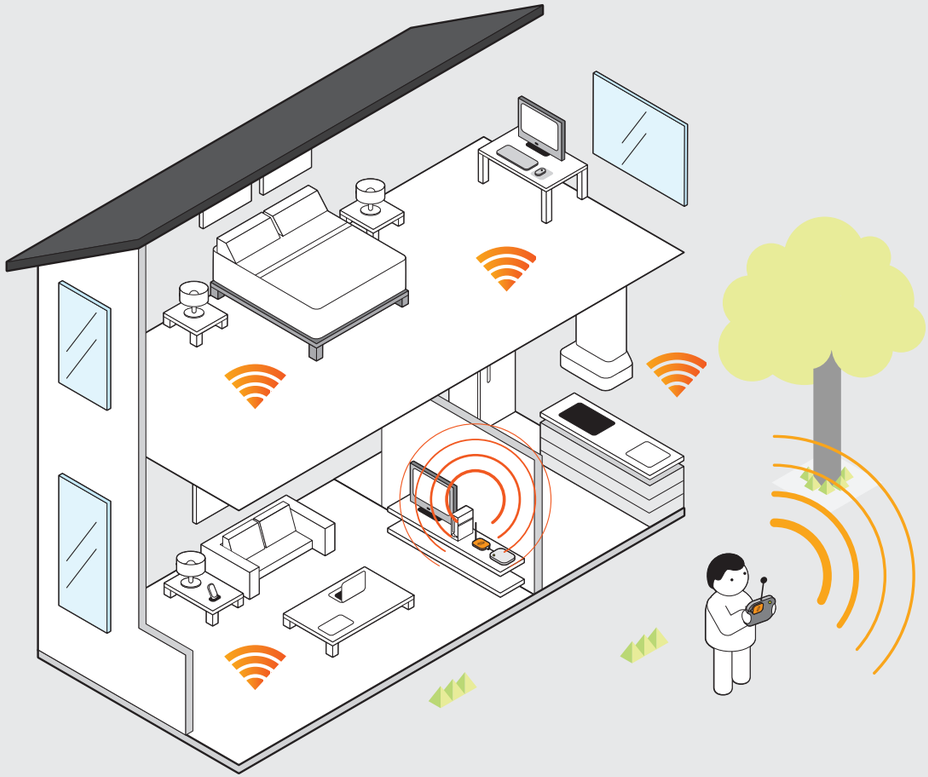
SHAL5001LW

BAND17	700MHz	Up Link: 704-716MHz	Down Link: 734-746MHz
BAND13	700MHz	Up Link: 777-787MHz	Down Link: 746-756MHz
BAND5	850MHz	Up Link: 824-749MHz	Down Link: 869-894MHz
BAND4	1700/2100MHz	Up Link: 1710-1755MHz	Down Link: 2110-2155MHz
BAND25/2	1900MHz	Up Link: 1850-1915MHz	Down Link: 1930-1995MHz

SHAL5002LW

BAND8	900MHz	Up Link: 890-915MHz	Down Link: 935-960MHz
BAND8	900MHz	Up Link: 890-915MHz	Down Link: 935-960MHz
BAND3	1800MHz	Up Link: 1710-1785MHz	Down Link: 1805-1880MHz
BAND1	2100MHz	Up Link: 1920-1980MHz	Down Link: 2110-2170MHz
BAND7	2600MHz	Up Link: 2500-2570MHz	Down Link: 2620-2690MHz


WiFi Signal
Booster



Without booster

With booster

How it works

2.4GHz Frequency

2.4GHz
33dBm
SH-2000
Indoor

Technical Specifications

Operating range : 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 2000mW (33dBm)
Input power: 0 ~ 20dBm
Transmit gain: 13 ~ 16dB
Receiver gain: ⩽12dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 6V/2A DC, 100~240V

2.4GHz
34dBm
SH-2500
Indoor

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 2500mW (34dBm)
Input power: 0 ~ 20dBm
Transmit gain: 14 ~ 17dB
Receiver gain: ⩽12dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

2.4GHz Frequency

2.4GHz
35dBm
SH24BTA-N
Indoor

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 3000mW (35dBm)
Input power: 0 ~ 20dBm
Transmit gain: 15 ~ 18dB
Receiver gain: ⩽12dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

2T2R
30dBm
SH24Gi1000-D2
Indoor

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 1000mW (30dBm)
Input power: 0 ~ 20dBm
Transmit gain: 15 ~ 18dB
Receiver gain: 11 ~ 14dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

2.4GHz Frequency

2.4GHz
36dBm
SH24Gi4000
Indoor

Technical Specifications

Operatingrange: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operationmode: Bi-directional, half-duplex, time divisionduplex
Connectortype: SMA
Output power: 4000mW (36dBm)

Inputpower: 0 ~ 20dBm
Transmitgain: 16 ~ 19dB
Receivergain: ⩽15dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Poweradapter: 6V/4A DC, 100~240V

2.4GHz
40dBm
SH24Gi10W
Indoor

2.4GHz
40dBm
SH24Go10W
Outdoor

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: N-K female
Output power: 10W (40dBm)

Input power: 0 ~ 26dBm
Transmit gain: 22dB
Receiver gain: ⩽20dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 24V/2A DC, 100~240V

2.4GHz Frequency

2.4GHz 43dBm SH24Gi20W Indoor

2.4GHz 43dBm SH24Go20W Outdoor

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: N-K female
Output power: 20W (43dBm)
Input power: 0 ~ 27dBm
Transmit gain: 25dB
Receiver gain: ≤22dB
Noise figure: ≤3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 24V/2A DC, 100~240V

5.8GHz Frequency

5.8GHz 33dBm SH58Gi2000 Indoor

Technical Specifications

Operating range: 5150~5850MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11a/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 2000mW (33dBm)
Input power: 0 ~ 20dBm
Transmit gain: 15 ~ 18dB
Receiver gain: 11 ~ 14dB
Noise figure: ≤3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

5.8GHz Frequency

2T2R
30dBm
SH58Gi1000-D2
Indoor

Technical Specifications

Operating range: 5150~5850MHz
Channel width: 20MHz&40MHz&80MHz
Supported standards: IEEE 802.11a/n, 2Tx2R
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 1000mW (30dBm)
Input power: 0 ~ 20dBm
Transmit gain: 12 ~ 14dB
Receiver gain: 9 ~ 11dB
Noise figure: ≤3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

5.8GHz
36dBm
SH58Gi4000
Indoor

Technical Specifications

Operating range: 5150~5850MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11a/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 4000mW (36dBm)
Input power: 0 ~ 20dBm
Transmit gain: 18 ~ 20dB
Receiver gain: 11 ~ 14dB
Noise figure: ≤3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 12V/2A DC, 100~240V

High Power

light & small

Easy to install

2.4GHz & 5.8GHz

5~16V Wide voltage range

eSunRc 2.4GHz Frequency

Technical Specifications

Operating range: 2400~2500MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11b/g/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 3000mW (35Bm)
Input power: 0 ~ 20dBm
Transmit gain: 15 ~ 18dB
Receiver gain: ⩽12dB
Noise figure:⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 5V ~ 16V/2A DC

2.4GHz
35dBm
SH-RC24G3W

eSunRc 5.8GHz Frequency

Technical Specifications

Operating range: 5150~5850MHz
Channel width: 20MHz&40MHz
Supported standards: IEEE 802.11a/n
Operation mode: Bi-directional, half-duplex, time division duplex
Connector type: SMA
Output power: 2000mW (33dBm)
Input power: 0 ~ 20dBm
Transmit gain: 15 ~ 18dB
Receiver gain: ⩽12dB
Noise figure: ⩽3.5dB typical
Frequency response: ±1dB over operating range
Power adapter: 5V ~ 16V/2A DC

5.8GHz
33dBm
SH-RC58G2W

Accessories and *Kits*

12dBi
SH-4GF3-A12

Frequency Range: 690~2700MHz
Max Gain: 12dBi
VSWR: ⩽2.5
Polarization Type: Vertical
Radiation: Omni
Max. Input Power: 10W
Input Impedance: 50 Ohms
Connector Type: RP SMA male
Cable Type: RG174(best)100% cooper
Cable Length: 30cm

8dBi
SH-4GF3-A8

Frequency Range: 690~2700MHz
Max Gain: 8dBi
VSWR: ⩽2.5
Polarization Type: Vertical
Radiation: Omni
Max. Input Power: 10W
Input Impedance: 50 Ohms
ConnectorType: RP SMA male
Cable Type: RG174(best)100% cooper
Cable Length: 1m

10dBi
SH-MBF-A10

Frequency Range: 690~2700MHz
Gain: 10dBi
VSWR: ⩽1.5
Polarization Type: Vertical
Radiation: Omni
Max. Input Power: 100W
Input Impedance: 50 Ohms
Connector Type: N Female
Cable Length: 85cm

15dBi
SH-MBF-A15

Frequency Range: 690~2700MHz
Gain:15dBi
VSWR: ⩽1.5
Polarization Type: Vertical
Radiation: Omni
Max. Input Power: 100W
Input Impedance: 50 Ohms
Connector Type: N Female
Cable Length: 85cm

9dBi Log-periodic antenna SH-L8025-9

Frequency Rang:690~2700MHz
Bandwidth: 154/790MHz
Max Gain:9dBi;
VSWR:⩽1.5
Beam width: H:90/70* V:60/55
Input Impedance: 50Ohms
Max power: 50W
Polarization: Vertical
Lightning protection: DC ground
Connector model: N female
Cable length: 30cm

11dBi Log-periodic antenna SH-L8025-11

Frequency Rang: 690~2700MHz
Bandwidth: 154/790MHz
Max Gain: 11dBi
VSWR: ⩽1.5
Beam width: H:65/50* V:55/40*
Input Impedance: 50Ohms
Max power: 50W
Polarization: Vertical
Lightning protection: DC ground
Connector model: N female
Cable length: 30cm

2dBi FPV antenna SH-RC58GTX

Frequency Range: 5700-5900MHz
VSWR: ⩽2.5
Gain: 2dBi
Polarization Type: Vertical
Radiation: Omni
Input Impedance: 50 Ohms
Connector Type: RP-SMA male
Cable Type: RG141 100% copper

2dBi FPV antenna SH-RC58GRX

Frequency Range: 5700-5900MHz
VSWR: ⩽2.5
Gain: 2dBi
Polarization Type: Vertical
Radiation: Omni
Input Impedance: 50 Ohms
Connector Type: RP-SMA male
Cable Type: RG141 100% copper

Splitter

SH-SP2
Frequency: 800-2500MHz
Power Capacity: 50W
Insertion Loss: 3.1dB
Isolation: 20 dB
Ripple: 0.3dB
VSWR: 1.2
Impedance: 50Ohms
Connector Type: N female

SH-SP3
Frequency: 800-2500MHz
Power Capacity: 50W
Insertion Loss: 5.1dB
Isolation: 20 dB
Ripple: 0.3dB
VSWR: 1.2
Impedance: 50Ohms
Connector Type: N female

SH-SP4
Frequency: 800-2500MHz
Power Capacity: 50W
Insertion Loss: 6.1dB
Isolation: 20 dB
Ripple: 0.3dB
VSWR: 1.2
Impedance: 50Ohms
Connector Type: N female

Coaxial cable

SH-RG58A3M-N1
10m RG58 cable N male to N male
RG58 50-3
ROHS
Coaxial cable

SH-RG58A5M-N1
10m RG58 cable N male to N male
RG58 50-3
ROHS
Coaxial cable

SH-RG58A10M-N1
10m RG58 cable N male to N male
RG58 50-3
ROHS
Coaxial cable

Coaxial cable

SH-RG58A3M-A1
10m RG58 cable
RP-SMA male to RP-SMA female
RG58 50-3 ROHS
Coaxial cable

SH-RG58A5M-A1
10m RG58 cable
RP-SMA male to RP-SMA female
RG58 50-3 ROHS
Coaxial cable

SH-RG58A10M-A1
10m RG58 cable
RP-SMA male to RP-SMA female
RG58 50-3 ROHS
Coaxial cable

Basic connection kit

SH-4GF3-A12 outdoor antenna
Frequency Range: 690~2700MHz
Max Gain: 12dBi
VSWR:⩽ 2.5
Input Impedance: 50 Ohms
Connector Type: RP SMA male
Cable Type: RG174(best)100% cooper
Cable Length: 30cm

SH-4GF3-A8 indoor antenna
Frequency Range: 690~2700MHz
Max Gain: 8dBi
VSWR: ⩽2.5
Input Impedance: 50 Ohms
ConnectorType: RP SMA male
Cable Type: RG174(best)100% cooper
Cable Length: 1m

SH-RG58A10M-A1
10m RG58 cable SMA
RG58 50-3 ROHS Coaxial cable

Advanced connection kit

SH-4GF3-A10 indoor antenna
Frequency Range: 690~2700MHz
Max Gain: 10dBi
VSWR: ⩽1.5
Polarization Type: Vertical
Max. Input Power: 100W
Input Impedance: 50 Ohms
Connector Type: N Female
Cable Length: 5cm

SH-4GF3-A15 Outdoor antenna
Frequency Range: 690~2700MHz
Gain: 15dBi
VSWR: ⩽1.5
Polarization Type: Vertical
Max. Input Power: 100W
Input Impedance: 50 Ohms
Connector Type: N Female
Cable Length: 85cm

SH-RG58A10M-N1
10m RG58 cable SMA
RG58 50-3 ROHS Coaxial cable

SH-RG58A5M-N1
5m RG58 cable SMA
RG58 50-3 ROHS Coaxial cable

Car connection kit

SH-4GF3-A12 outdoor antenna
Frequency Range: 690~2700MHz
Max Gain: 12dBi
VSWR: ⩽2.0
Input Impedance: 50 Ohms
Connector Type: RP SMA male
Cable Type: RG174(best)100% cooper
Cable Length: 30cm

SH-GF5-A5 indoor antenna
Frequency Range: 690~2700MHz
Max Gain: 5dBi
VSWR: ⩽2.0
Input Impedance: 50 Ohms
Connector Type: RP SMA male

SH-RG58A3M-A1
3m RG58 cable SMA
RG58 50-3 ROHS Coaxial cable