



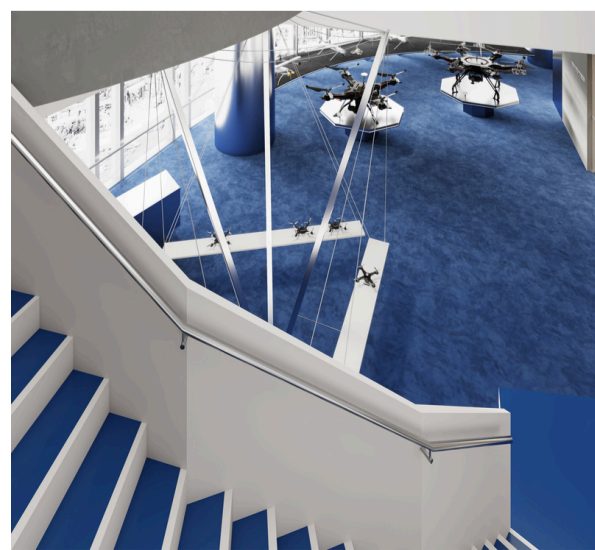
GNSS Anti-Jamming System PRODUCT MANUAL

GNSS Anti-Jamming System Solution Provider



Company introduction

- STARS has been deeply engaged in and accumulated experience in the global satellite navigation anti-jamming field , leading the industry with cutting-edge technology.
- The core R&D team gathers senior experts in the fields of satellite navigation and signal processing. Relying on professional technology and academic resources , they have cumulatively obtained multiple core patents.
- The company's headquarters is located in Shenzhen , known as the “ Silicon Valley of Drones ” . As a vice president unit of the Shenzhen Drone Association , it is deeply involved in the formulation of industry standards and technical discussions. The modern manufacturing base is equipped with intelligent production lines , with an annual production capacity of over 15,000 sets. It adheres to the ISO 9001 standard to ensure military-grade quality. Its unmanned system global satellite navigation anti-interference module supports full-dimensional customized development and is compatible with platforms such as unmanned aerial vehicles , unmanned vehicles , and unmanned ships. It has customized over 100 types of modules for more than 60 partners.

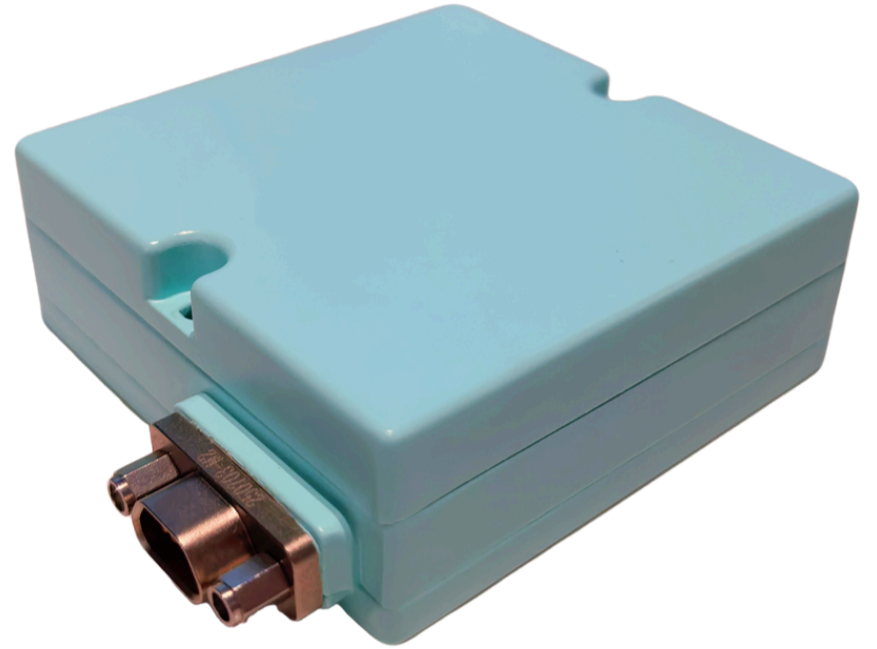


Solution



WL55 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive , amplify , down-convert , filter and perform anti-interference processing on the **BDS_B1** 、 **GPS_L1** 、 **GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 9V~24V and consists of 4 main components : the antenna array 、 the RF component 、 the anti-interference processing component 、 the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1 、 **GPS_L1** 、 **GAL_E1**
(Customizable frequency points , such as GPS_L5)
- Frequency :
B1 : 1561MHz 、 L1 : 1575MHz 、
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband 、 sweep frequency 、 pulse , as well as combined interference
- Size : 55.0mm x 55.0mm x 20.0mm
- Anti single broadband interference capability :
signal ratio ≥ 95 dB
- Anti three band interference capability :
signal ratio ≥ 80 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <6W
- Weight : <100g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy : < 0.2m/s

WL669 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 5V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

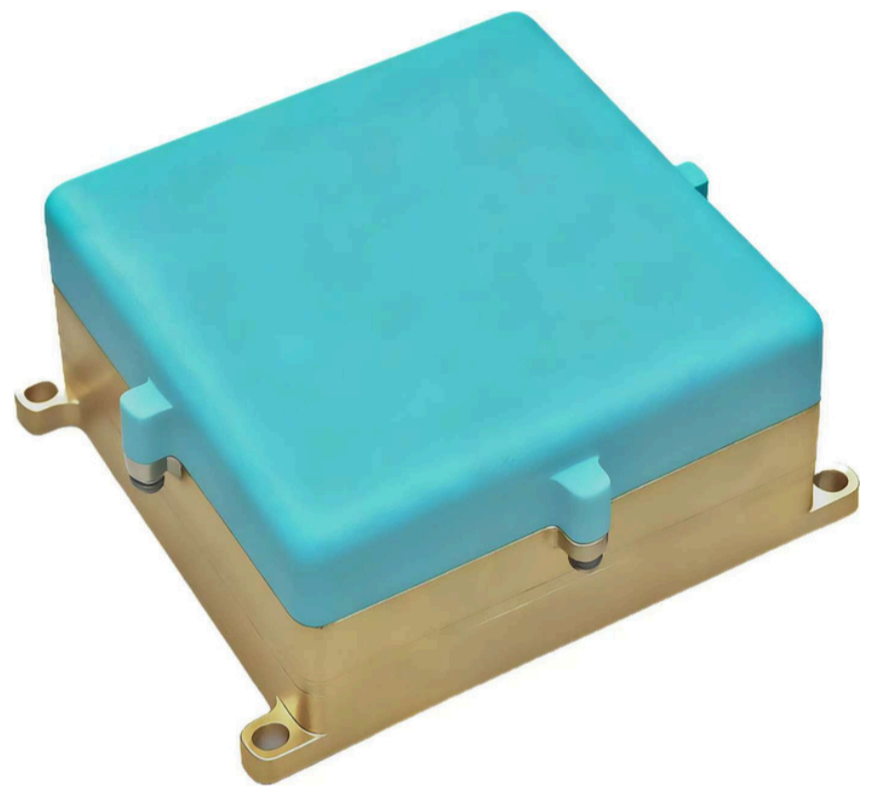


Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**、**GAL_E1**
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 66.0mm x 66.0mm x 20mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <7.5W
- Weight : <128g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy :
< 0.2m/s

WL669DB Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1** frequency signals of 4 channels.
- It operates at a voltage of 5V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

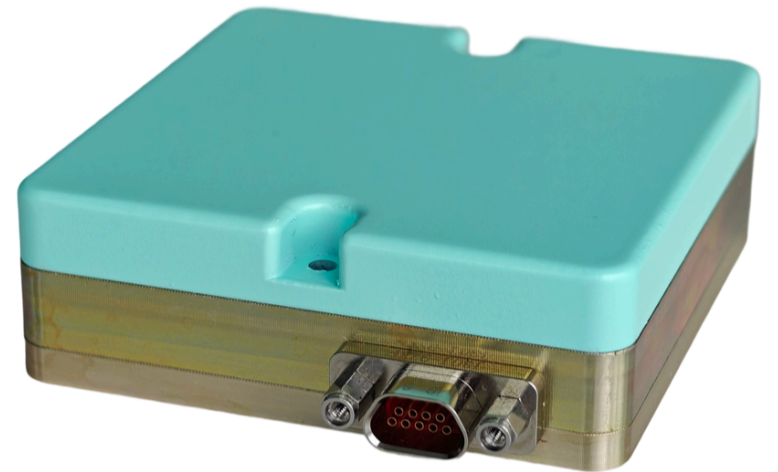


Product Parameters

- Frequency points : **BDS_B1**、**GPS_L1**
(Customizable frequency points , such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 67.0mm x 67.0mm x 23.9mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <6W
- Weight : <200g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy :
< 0.2m/s

WL60 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 9V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**、**GAL_E1**
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 60.0mm x 60.0mm x 20.0mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <6W
- Weight : <120g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy :
< 0.2m/s

WL007 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1**、**GLO_G1** frequency signals of 4 channels.
- It operates at a voltage of 9V~36V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

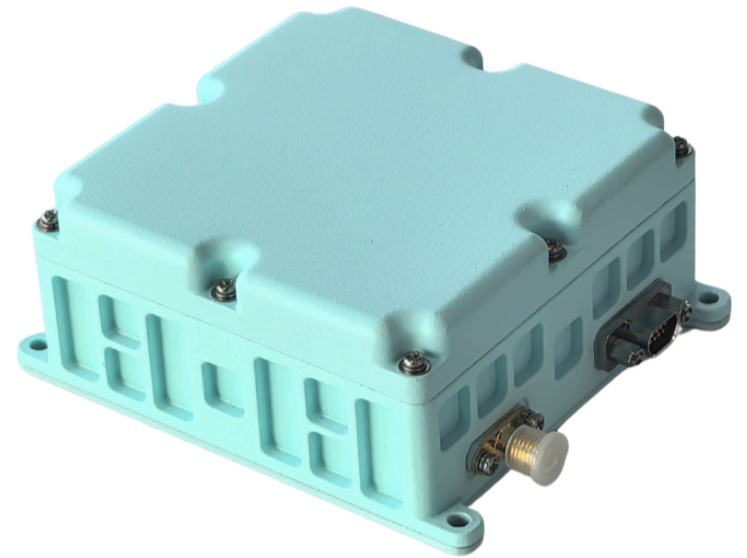


Product Parameters

- Frequency points:
BDS_B1、**GPS_L1**、**GAL_E1**、**GLO_G1**
(Customizable frequency points, such as GPS_L2/L5)
- Frequency:
B1 : 1561MHz、L1 : 1575MHz
E1 : 1575MHz、G1 : 1601MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse, as well as combined interference
- Size : 100.0mm x 100.0mm x 25.0mm
- Anti single broadband interference capability :
signal ratio $\geq 100\text{dB}$
- Anti three band interference capability :
signal ratio $\geq 85\text{dB}$
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <15W
- Weight : <400g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy :
< 0.2m/s

WL80 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1** frequency signals of 4 channels.
- It operates at a voltage of 12V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

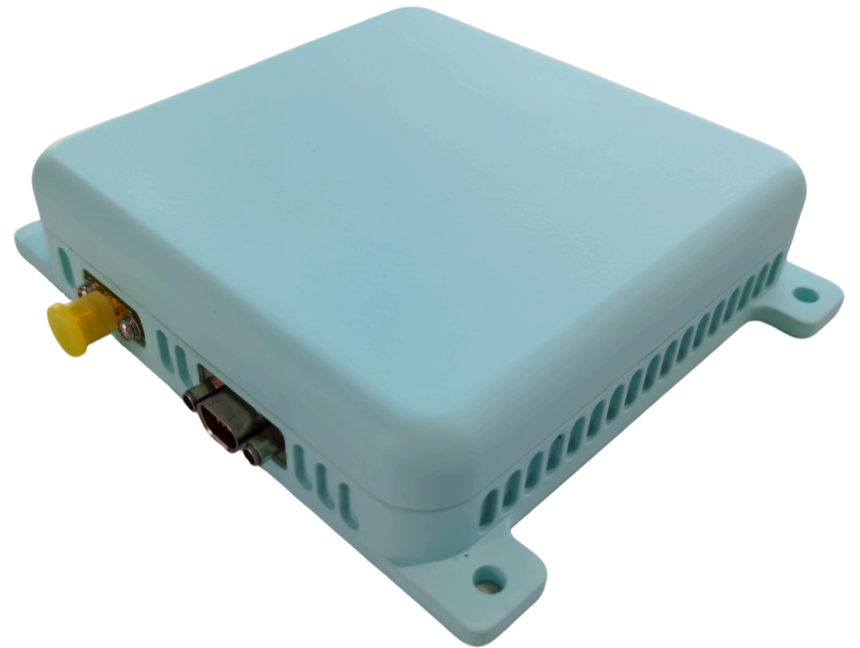


Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 92.0mm x 78.0mm x 37.8mm
- Anti single broadband interference capability :
signal ratio ≥ 95 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <9.5W
- Weight : <310g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy :
< 0.2m/s

WL100H Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 12V~32V and consists of 3 main components: the antenna array、the RF component、the anti-interference processing component.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**、**GAL_E1**
(Customizable frequencies ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 100.0mm x 100.0mm x 26.0mm
- Anti single broadband interference capability :
signal ratio $\geq 100\text{dB}$
- Anti three band interference capability :
signal ratio $\geq 85\text{dB}$
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <8W
- Weight : <300g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy : < 0.2m/s

WL100T Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive , amplify , down-convert , filter and perform anti-interference processing on the frequency signals of **BDS_B1 、 GPS_L1** in 4 channels.
- **The high-precision BDS_B1 、 GPS_L1 、 GPS_L2 frequency points of 1 channel are automatically switched for reception , amplification and down-conversion , achieving efficient fusion and forwarding of multi-band signals to the receiver , thereby enhancing positioning accuracy and stability.**
- It operates at a voltage of 9V~32V and consists of 3 main components : the antenna array 、 the RF component 、 the anti-interference processing component.
- **It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.**

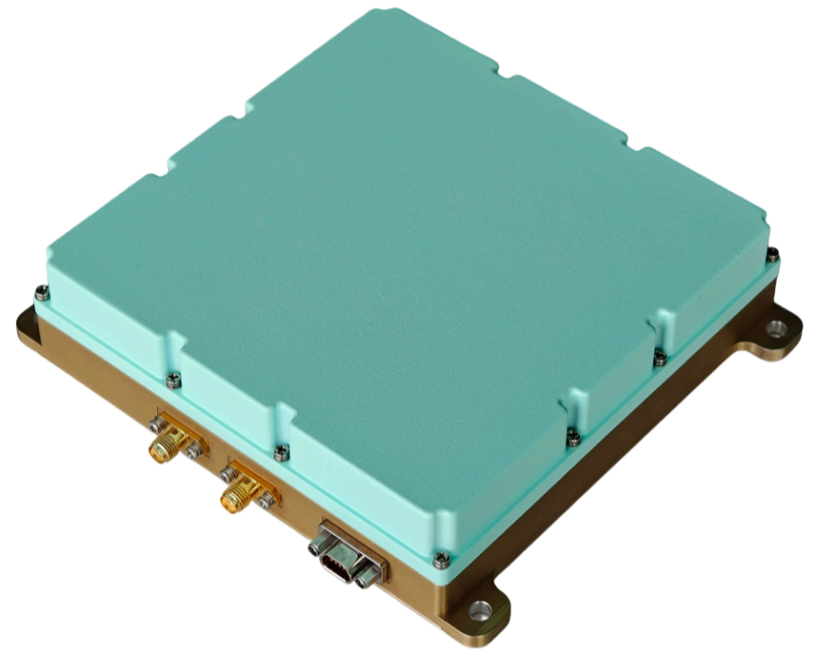


Product Parameters

- Frequency points :
BDS_B1 、 GPS_L1 、 GPS_L2
- Frequency :
B1 : 1561MHz 、 L1 : 1575MHz 、
L2 : 1227MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband 、 sweep frequency 、 pulse , as well as combined interference
- Size : 100.0mm x 100.0mm x 37.0mm
- Anti single broadband interference capability :
signal ratio ≥ 95 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <12W
- Weight : <600g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy : <0.2m/s

WL163 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 15V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、GPS_L1、GAL_E1
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 150.8mm x 130.0mm x 34.0mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti three band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption :
<15W
- Weight : <600g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy : < 0.2m/s

WL125 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1**、**GLO_G1** frequency signals of 4 channels.
- It is composed of 4 main components: antenna array、RF component、anti-interference processing component、receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points: BDS_B1、GPS_L1、GAL_E1、GLO_G1 (Customizable frequency points, such as GPS_L2/L5)
- Frequency: B1 : 1561MHz、L1 : 1575MHz
E1 : 1575MHz、G1 : 1602MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse, as well as combined interference
- Size : 124.6mm x 124.6mm x 47.6mm
- Anti single broadband interference capability : signal ratio ≥ 110 dB
- Anti three band interference capability : signal ratio ≥ 95 dB
- It has an anti-deception function
- Operating temperature : -40°C to 70°C
- Storage temperature : -45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : $< 20\text{W}$
- Weight : $< 470\text{g}$
- Positioning accuracy : $\leq 10\text{m}$
- Speed measurement accuracy : $< 0.2\text{m/s}$

WL130 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1**、**GPS_L2/L5** frequency signals of 4 channels.
- It operates at a voltage of 12V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points : **BDS_B1**、**GPS_L1**、**GAL_E1**、**GPS_L2/L5** (Customizable frequencies , such as BDS_B1 、 B3)
- Frequency : B1 : 1561MHz、 L1 : 1575MHz、 E1 : 1575MHz、 L2 : 1227MHz / L5 : 1176MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、 sweep frequency、 pulse , as well as combined interference
- Size : 130.0mm x 130.0mm x 26.0mm
- Anti single broadband interference capability : signal ratio $\geq 110\text{dB}$
- Anti three band interference capability : signal ratio $\geq 90\text{dB}$
- It has an anti-deception function
- Operating temperature : -40°C to 70°C
- Storage temperature : -45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : $<20\text{W}$
- Weight : $<500\text{g}$
- Positioning accuracy : $\leq 10\text{m}$
- Speed measurement accuracy : $<0.2\text{m/s}$

WL130MAX Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the BDS_B1、GPS_L1、GAL_E1、GPS_L2/L5 frequency signals of 4 channels, Anti-interference capability to meet the requirements of high-precision applications
- It operates at a voltage of 12V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

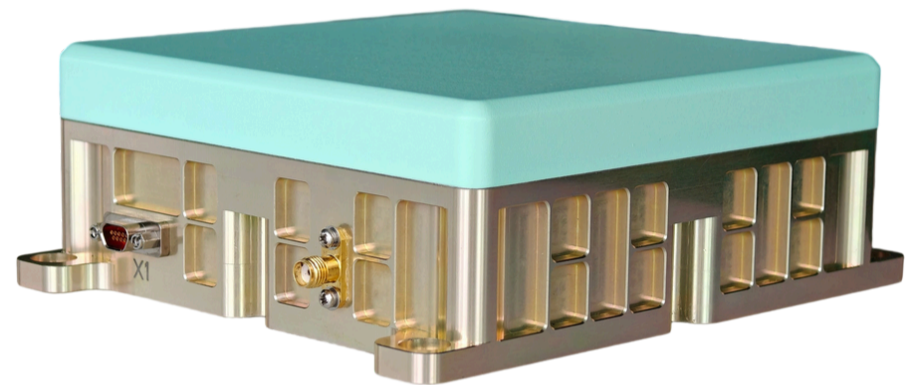


Product Parameters

- Frequency points :
BDS_B1、GPS_L1、GAL_E1、GPS_L2/L5
(Customizable frequencies ,
such as BDS_B1、B3)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
L2 : 1227MHz / L5 : 1176MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 130.0mm x 130.0mm x 33.1mm
- **Anti-interference capability to meet the requirements of high-precision applications :**
Anti single broadband interference capability :
signal ratio ≥ 110 dB
Anti three band interference capability :
signal ratio ≥ 95 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : <20W
- Weight : <600g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy :
< 0.2m/s

WL179 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1**、**BDS_B3** frequency signals of 4 channels.
- It operates at a voltage of 12V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points : **BDS_B1**、**GPS_L1**、**GAL_E1**、**BDS_B3** (Customizable frequency points , such as GPS_L2/L5)
- Frequency: B1 : 1561MHz、L1 : 1575MHz、E1 : 1575MHz、B3 : 1268MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 154.0mm x 130.0mm x 52.0mm
- Anti single broadband interference capability : signal ratio ≥ 105 dB
- Anti three band interference capability : signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature : -40°C to 70°C
- Storage temperature : -45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption : $<25\text{W}$
- Weight : $<1300\text{g}$
- Positioning accuracy : $\leq 10\text{m}$
- Speed measurement accuracy : $< 0.2\text{m/s}$

WL131 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **GPS_L1**、**GPS_L2**、**GPS_L5** frequency signals of 4 channels.
- It operates at a voltage of 18V~36V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

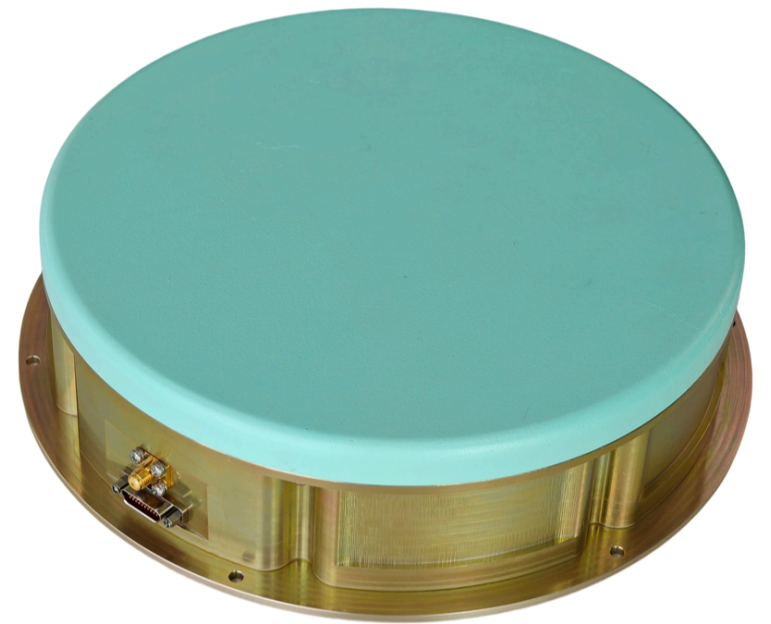


Product Parameters

- Frequency points :
GPS_L1、**GPS_L2**、**GPS_L5**
- Frequency :
L1 : 1575MHz、L2 : 1227MHz、
L5 : 1176MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse, as well as combined interference
- Size: 173.0mm x 173.0mm x 52.0mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti three band interference capability :
signal ratio ≥ 90 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption :
<22W
- Weight : <2000g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy : <0.2m/s

WL181 Seven-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1**、**GLO_G1** frequency signals of 7 channels.
- It operates at a voltage of 18V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 6 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**、**GAL_E1**、**GLO_G1**
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency: B1 : 1561MHz、L1 : 1575MHz
E1 : 1575MHz、G1 : 1601MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size: $\Phi 250.0\text{mm} \times 61.2\text{mm}$
- Anti single broadband interference capability :
signal ratio $\geq 110\text{dB}$
- Anti six band interference capability :
signal ratio $\geq 85\text{dB}$
- It has an anti-deception function
- Operating temperature :
 -40°C to 70°C
- Storage temperature :
 -45°C to 80°C
- Number of anti-interference devices : 6
- Power consumption :
<30W
- Weight : <3000g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy : < 0.2m/s

WL170 Eight-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 8 channels.
- It operates at a voltage of 18V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 7 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、GPS_L1、GAL_E1
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size: $\Phi 165.0\text{mm} \times 63.0\text{mm}$
- Anti single broadband interference capability :
signal ratio $\geq 110\text{dB}$
- Anti seven band interference capability :
signal ratio $\geq 85\text{dB}$
- It has an anti-deception function
- Operating temperature :
 -40°C to 70°C
- Storage temperature :
 -45°C to 80°C
- Number of anti-interference devices : 7
- Power consumption :
<20W
- Weight : <900g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy : < 0.2m/s

WL836 Eight-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 8 channels.
- It operates at a voltage of 18V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 7 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

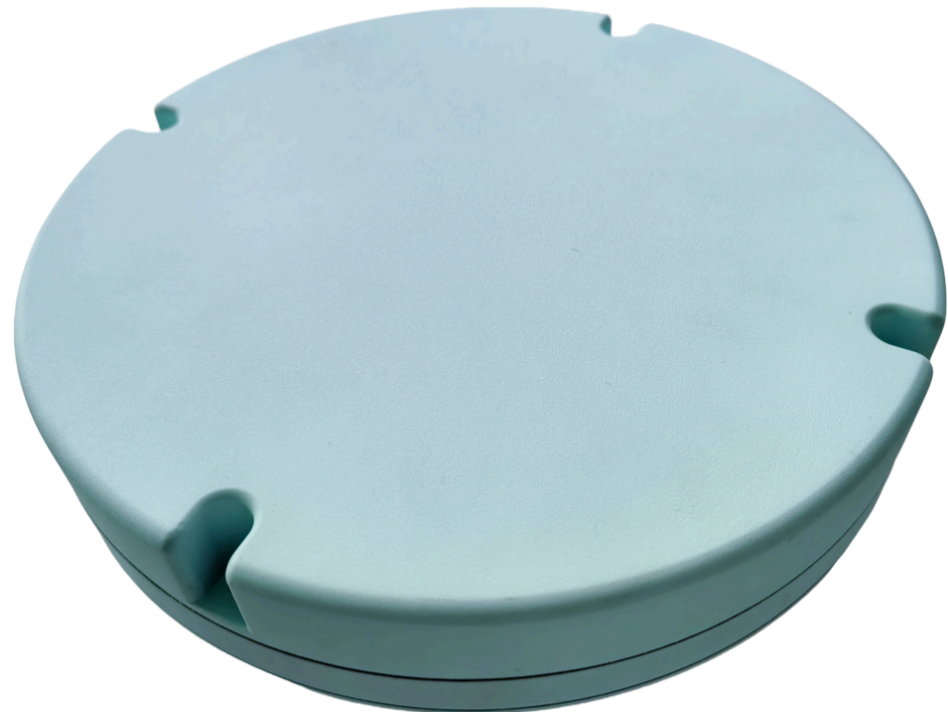


Product Parameters

- Frequency points :
BDS_B1、**GPS_L1**、**GAL_E1**
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size: $\Phi 150.0\text{mm} \times 55.2\text{mm}$
- Anti single broadband interference capability :
signal ratio $\geq 105\text{dB}$
- Anti seven band interference capability :
signal ratio $\geq 80\text{dB}$
- It has an anti-deception function
- Operating temperature :
 -40°C to 70°C
- Storage temperature :
 -45°C to 80°C
- Number of anti-interference devices : 7
- Power consumption :
<20W
- Weight : <750g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy : < 0.2m/s

WL700 Seven-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B3** frequency signals of 7 channels.
- It operates at a voltage of 18V~32V and consists of 4 main components: the antenna array, the RF component, the anti-interference processing component, the receiver.
- It can resist 6 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.

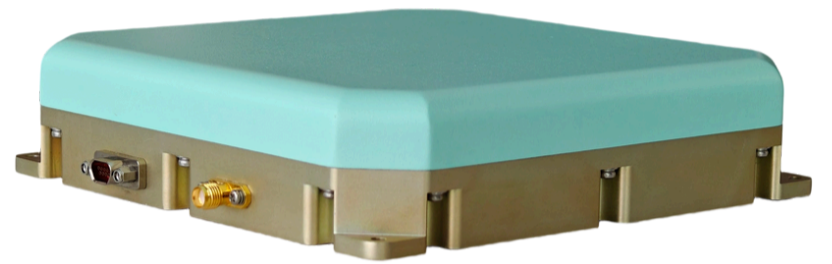


Product Parameters

- Frequency points: **BDS_B3**
- Frequency: B3: 1268MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband, sweep frequency, pulse, as well as combined interference
- Size: $\Phi 230.0\text{mm} \times 50.0\text{mm}$
- Anti single broadband interference capability:
signal ratio $\geq 110\text{dB}$
- Anti six band interference capability:
signal ratio $\geq 90\text{dB}$
- It has an anti-deception function
- Operating temperature: -40°C to 70°C
- Storage temperature: -45°C to 80°C
- Number of anti-interference devices: 6
- Power consumption: $<21\text{W}$
- Weight: $<1700\text{g}$
- Positioning accuracy: $\leq 10\text{m}$
- Speed measurement accuracy: $<0.2\text{m/s}$

WL839 Four-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GPS_L2**、**GAL_E1** frequency signals of 4 channels.
- It operates at a voltage of 12V~32V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 3 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points: **BDS_B1**、**GPS_L1**
GPS_L2、**GAL_E1**
(Customizable frequency points, such as GPS_L5)
- Frequency: B1 : 1561MHz、L1 : 1575MHz
L2 : 1227MHz、E1 : 1575MHz
- Anti-interference type: It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse, as well as combined interference
- Size: 140.0mm x 140.0mm x 34.0mm
- Anti single broadband interference capability :
signal ratio $\geq 105\text{dB}$
- Anti three band interference capability :
signal ratio $\geq 90\text{dB}$
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 3
- Power consumption :
<20W
- Weight : <850g
- Positioning accuracy :
 $\leq 10\text{m}$
- Speed measurement accuracy : < 0.2m/s

WL316 Sixteen-channel Global Navigation Satellite System(GNSS) Anti-Jamming System

- This anti-interference system is designed to receive, amplify, down-convert, filter and perform anti-interference processing on the **BDS_B1**、**GPS_L1**、**GAL_E1** frequency signals of 16 channels.
- It operates at a voltage of 15V~40V and consists of 4 main components: the antenna array、the RF component、the anti-interference processing component、the receiver.
- It can resist 15 broadband interference sources and provide high-precision positioning and accurate timing under strong interference conditions.



Product Parameters

- Frequency points :
BDS_B1、GPS_L1、GAL_E1
(Customizable frequency points ,
such as GPS_L2/L5)
- Frequency :
B1 : 1561MHz、L1 : 1575MHz、
E1 : 1575MHz
- Anti-interference type : It has the ability to suppress various types of interference such as wideband、sweep frequency、pulse , as well as combined interference
- Size : 292.0mm x 292.0mm x 55.0mm
- Anti single broadband interference capability :
signal ratio ≥ 105 dB
- Anti fifteen band interference capability :
signal ratio ≥ 85 dB
- It has an anti-deception function
- Operating temperature :
-40°C to 70°C
- Storage temperature :
-45°C to 80°C
- Number of anti-interference devices : 15
- Power consumption :
<50W
- Weight : <3000g
- Positioning accuracy :
 ≤ 10 m
- Speed measurement accuracy : < 0.2m/s

Website : sz-stars.com.cn



GNSS Anti-Jamming System
