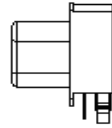
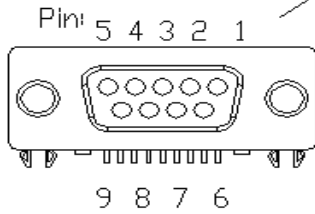
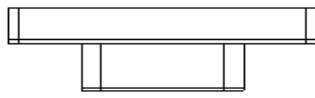
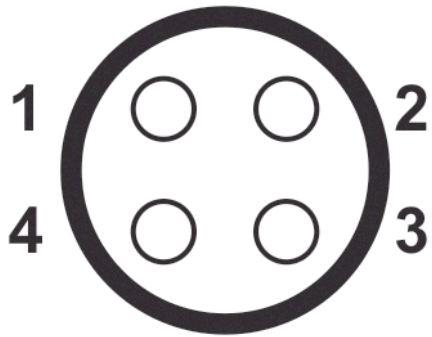


AIS:



PIN	
1	T+ RS485/RS422
2	TX RS232
3	RX RS232
4	T- RS485/RS422
5	GND
6	EI(Engineer Input)
7	EO(Engineer Output)
8	Reserved
9	Reserved

Power Connector Pin Description



1	Power -
2	Open
3	Power +
4	Open

Frequency

AIS 161.975MHz AIS 162.025MHz  
Channel Spacing 25 KHz  
Sensitivity -115dBm  
Demodulation GMSK  
Data Rate 9600  
Impedance 50 ohms

### **Electrical**

Power Supply Range 9 ~ 30V DC  
Power Consumption 400mW

### **Output**

Baud Rate 38400 Baud (38.4Kb) or 4800 (internal link)  
Data Format ITU / NMEA0183  
Output Message VDM

### **Physical**

Dimension 140mm(L) x131.4mm (W) x 46mm (H)  
Weight 600g  
Mounting Screw Mounting  
Antenna Connector BNC Jack  
Data Output Port DB-9  
Power Connector 4 -pole Plug

### **Transmission Specification**

Static Every 6 min or, when data has been amended, or on request.  
Dynamic this is dependent on speed and course alteration.

### **GPS Receiver Specification**

Chipset Furuno  
Sensitivity -141dBm  
Sentence output GPRMC  
Datum WGS-84

## **Features**

- \_ Equipped with 2-channel AIS receiver**
- \_ Embedded with GPS receiver**
- \_ Equipped with AIS/GPS combo antenna**

## **Outputting Message Description**

There are 8 outputting message that the user can get from our AIS-2. This is the detail and the meaning of each message. Our product uses message 1, 2, 3, 4, 5, 18, 19, 24A, 24B.

Refer to following message table:

### **Message Number and Name Description of Message**

- 1 Position Report Scheduled position report (Class A ship borne equipment)
- 2 Position Report Assigned scheduled position report (Class A ship borne equipment)
- 3 Position Report Special position report, response to interrogation (Class A ship borne equipment)
- 4 Base Station Report Position, UTC, date and current slot
- 5 Static and Voyage Related Data Scheduled static and voyage related vessel data report
- 18 Standard Class B Equipment Position Report Standard position report for Class B ship borne equipment to be used instead of Message 1, 2, 3.
- 19 Class B Equipment Position Report Extended position report for Class B ship borne equipment; contains additional static information.
- 24 Class "CS" Static Data be used by Class B "CS" \*CS: Carrier Sense