



AIS for AtoN

AtoN AIS working stations broadcast information by AIS messages to surrounding vessels and base stations via AIS network. Easy to control, real-time monitoring of AtoN situation and providing aiding to navigation service to the passing by vessels are the main advantages.

Main feature:

Low power consumption, easy to install, high reliability, meeting the latest standards of IEC, ITU, IALA and the latest relative AIS regulations.

Main functions:

- Meet the technical requirements of type I/3 AtoN AIS station.
- Utilize the time slot of base station working in a FATDMA mode
- Automatically broadcast No. 21 AIS messages, and broadcast interval is adjustable
- Connect small flashing lighthouse and LED lanterns, broadcast interval information by No. 6 Message, including AtoN position, voltage, electric current and light characteristics.
- IP65 sealed construction, anti-fog, anti-corrosion, meet the operating requirements of marine buoys.
- Non-continuous operation, working volt 12 VDC, static working electric current $\leq 75\text{mA}$

Main specifications:

Frequency range: 156.025MHZ-162.025MHZ
Default AIS1 channel: CH87 161.975MHZ
Default AIS2 channel: CH88 162.025MHZ
Input voltage: 12-30 VDC
Channel interval: 25KHZ
Frequency errors: $\pm 500\text{HZ}$
Modulation system: GMSK
Launching power: 7W/2W
Reception sensitivity: -107dBm
Numbers of GPS channels: 50
GPS Cold boot: 29S
GPS warm boot: 1S
Positioning accuracy: <10m
Communication interface: RS422, 232
Transport Protocol: IEC6112-2, NMEA0183
Working temp: -15- 55 Deg C
Storage temp: -40 – 70 Deg C
Relative humidity: 95% max



☆ Product specifications can be changed without notice.