

ASM-300 Specifications

Physical

Size. W * H * D: 89 * 82 * 29 (mm), Weight. 247 gram

Power

Input : 10 ~ 24VDC
Power Consumption average Receive: 3 W(250mA@+12VDC)
Power Consumption on SBD transmission: 6W(500mA @ +12VDC)
Required Power on current: 1.5A
Backup battery (Optional): 5V/15000mAh Li-Ion/Li-polymer

GPS Receiver

Frequency: L1(1575.42MHz). Update Rate: 2 Hz
Position accuracy (SA off): Position < 3m GPS(CEP 50%)

Electrical Interfaces

RS 422 Port(Default) or 485 port : 115200 bps max.
RS 232 Port : 115200 bps max
USB Port : Monitoring port (Optional)
2 * Opto coupled digital Input : 5V or 12V or 24VDC (Default 12VDC)
2 * Dry contact : Input and Output selectable
Default : Input 3.3V or 5.0V (Default 5V)
Analog Input: 2 port : 0 ~ 30VDC @10bit ADC or 4 ~ 20mAh @10bit ADC
Default #1: 0 ~ 30VDC @10bit ADC
Default #2: 4 ~ 20mAh @10bit ADC
Signal connector : 20 pin Molex Connector(43045-2000)
Power connector : 8 pin Molex Connector(43045-0800)
GPS 50 ohm antenna connector : SMA female
SAT 50 ohm antenna connector : SMA female

Cables (recommended)

SAT and GPS : RG214/U

Environmental data

Operating temperature: -20 ~ +85°C
Storage temperature: -40 ~ +85°C
Ingress protection: N/A

Memory

Internal Memory: 256 Mbyte

Communications

Iridium Satellites: Short burst data
Transmission delivery: Direct IP and/or E-mail, SBD
GNSS positioning: GPS

Standards

Radio performance testing: ETSI EN301 441 V1.1.1 05/2000
Safety: EN60950-1:2006
EMC: EN301 489-20 V1.2.1 : 2002*

