Smart Gateway RS-485 to N2K Product Specification Sheet

Introduction

The Smart Gateway RS-485 to N2K(hereinafter referred to as the Smart Gateway) is used to monitor the status information of the N-series propulsion systems, including but not limited to motor gear, motor voltage, motor speed, battery temperature, State of Charge (SOC), and Speed Over Ground (SOG), and to send the status information to external devices via the NMEA 2000 network.

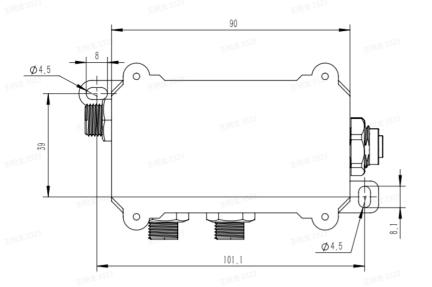
The Smart Gateway features 3 RS485 interfaces and 1 CAN interface, connecting to the propulsion system's 485 network through the RS485 interfaces and to the NMEA 2000 network through the CAN interface.

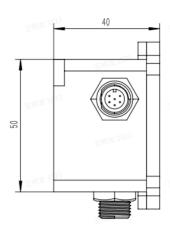


Smart Gateway RS-485 to N2K

Dimension

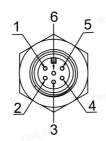
Unit:mm





Specification

	Standard	NMEA 2000				
	Interface quantity	1 x CAN port				
	王明龙 3323	CANH, CANL, GND	- 19 17: 332	王明龙 ³⁵²³		
	CAN signal	7 M16 ~	1 23 2	Shield +12V		
		4 E E	3 4 5	GND CAN_H CAN_L		
CAN Interface	Duplex mode	2-wire Half Duplex Mode				
	Baud rate	250kbps				
	Load capacity	support concurrent transmitting of 110 nodes				
	Transmission distance	40m~10km				
	Terminating resistor	optional external 120Ω terminating resistor				
	Interface protection	IEC 61000-4-2 (ESD) \pm 30kV (air), \pm 30kV (contact)				
RS485 interfaces	Standard	EIA RS-485	王明龙 332	王明州 3		
	Interface quantity	3 x RS-485 port	23	王明 拉,3323		
	RS-485 signal	485_A, 485_B, GND				



	- 0	
1 王明力	+5V	
2	485_A	
王明 ^{龙 332} 3	NC THAT SEE	
4	485_B	
5	GND	
工明龙 332 6	NC3323	

	Baud rate	38400bps	
Power Requirement	Supply Voltage Range	8~30VDC	
Power Consumption	Full-load 3323	0.4W@12V	
Environmental Limit	Operating temperature	-25∼+55°C	
	Storage temperature	-25∼+70°C	
Physical Characteristic	Waterproof Rating	IP67	
	Installation	Wall mounting	
	Dimension (W x H x D)	50 mm x 40 mm x 90 mm	
	Weight	150g	