



SiA 1000



SiA 2000

SiA Model	SiA 1000	SiA 2000	SiA Model	SiA 1000	SiA 2000
Physical			Environmental		
Size	134x63x152	213x125x25	Operating Temperature	-40C to +85C	-40C to +85C
Weight	0.01 kg	0.4 kg	Shock/Vibration	20G's/8G's	SAE J1544
Locking Connector	Available	Yes	Pressure Wash	NA	NA
Non Locking PCB to PCB	Available	No	Data Interfaces		
Pins	6	30	Serial Ports	2	2
Digital Inputs	None	8	RS-232	Available	Yes
Digital Outputs	None	4	CMOS	Available	No
Analogue Inputs	None	4	J1708 CAN BUS	No	Yes
Integrated GPS	None	16 Channel	J1939 CAN BUS	No	No
Flash Memory	1 MB	2 MB	RS-485	No	Yes
SDRAM	1 MB	NA	Operation Modes		
EEPROM	2KB	NA	Transmit	Yes	Yes
DRAM	NA	2 MB	Standby	Yes	Yes
SMA Antenna	No	Yes	Sleep	Yes	Yes
MCX Antenna	Yes	No	Communications		
GPS Connector	NA	SMA	Transmit Frequency	148.0 to 150.0 MHz	148.0 to 150.0 MHz
Power			Receive Frequency	137.0 to 138.0 MHz	137.0 to 138.0 MHz
Input Power Range	9-18V	9-36V	Minimal Detectable Signal	-120dBm	-120dBm
Transmit	2A	2.5A	Transmit Power (Min)	5W	5W
Sleep	10uA	100uA	Transmit Power (Max)	10W	10W
Receive	70mA	120mA	Data Rate Uplink	2400 bps	
			Data Rate Downlink	4800 bps	