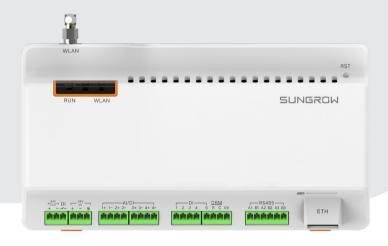


Logger1000B

The Logger1000 is a data acquisition, protocol conversion device suitable for inverters, combiner boxes, meteo stations, and energy meters in PV power plants. It supports power control, acts as gateway and assists with plant maintenance.





FLEXIBLE NETWORKING

- · Support of RS485, Ethernet, WLAN communication
- · Support of energy meter, meteo station, sensors and other equipment access

CONVENIENT O&M

- · Inverter batch parameter setting and firmware updates
- Plant maintenance by remote Web access, optimized OPEX
- Active and reactive power control
- Local monitoring

(a) EASY OPERATION

- · Automatic Modbus address distribution
- · Built-in Web server for monitoring and configuration, by PC or smartphone browser; no APP required

Ordering information Support of WLAN wireless communication	Type designation	
Max. number of devices 30 Communication ports 3 RS485 interface 1×RJ45, 10/100Mbps Digital input 5, Max. 24V DC Analog input 4, support 4 ~ 20 mA or 0 ~ 10 VDC Wireless communication 802.11 b/g/n/ac WLANcommunication HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption <10 W		Logger1000B
Communication ports RS485 interface Ethernet Digital input Analog input WLANcommunication WLANcommunication B02.11 b/g/n/ac HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input DC output Ambient conditions Operating Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Ordering Information Al xRJ45, 10/100Mbps 3 1×RJ45, 10/100Mbps 5, Max. 24V DC 4, support 4 ~ 20 mA or 0 ~ 10 VDC 4, support 4 ~ 20 mA or 0 ~ 10 VDC 4, support 4 ~ 20 mA or 0 ~ 10 VDC 4, support 4 ~ 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 4, support 5 / 20 mA or 0 ~ 10 VDC 10 V	Communication	
RS485 interface Ethernet Digital input Analog input S, Max. 24V DC Analog input 4, support 4~20 mA or 0~10 VDC Wireless communication B02.11 b/g/n/ac WLANcommunication B02.11 b/g/n/ac WC ~ 10 VD Coutput Power Supply Coutput 24 VDC, 1.2 A 24 VDC, 0.5 A Power consumption All Output Support of WLAN wireless communication Support of WLAN wireless communication	Max. number of devices	30
Ethernet Digital input S, Max. 24V DC Analog input 4, support 4~20 mA or 0~10 VDC Wireless communication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac WC ~ 80 vC C ~ 40 vC ~ 1.2 A C ~ 40 vC ~ 10 wC C ~ 40 vC ~ 70 vC C ~ 40 vC ~ 70 vC C ~ 70 vC C ~ 70 vC Selative air humidity Selevation Protection class IP20 Mechanical parameters Dimensions (W x H x D)	Communication ports	
Digital input Analog input 4, support 4 ~ 20 mA or 0 ~ 10 VDC Wireless communication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature 50°C ~ 60°C Storage Temperature 40°C ~ 70°C Relative air humidity Elevation Protection class IP20 Mechanical parameters Dimensions (W x H x D) Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information	RS485 interface	3
Analog input 4, support 4~20 mA or 0~10 VDC Wireless communication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption 410 W Ambient conditions Operating Temperature 50°C ~60°C Storage Temperature 40°C ~70°C Relative air humidity Elevation Protection class IP20 Mechanical parameters Dimensions (W x H x D) Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information	Ethernet	1×RJ45, 10/100Mbps
Wireless communication 802.11 b/g/n/ac WLANcommunication 802.11 b/g/n/ac HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Support of WLAN wireless communication 802.11 b/g/n/ac HT20/40/80MHz 2.4GHz A O C ~ 1.2 A 24 VDC, 1.2 A 26 O °C 40 °C ~ 60 °C 40 °C ~ 70 °C 400 °C ~ 70 °C 295 % (non-condensing) Elevation Fortection class Forther in mounting of wall mounting of	Digital input	5, Max. 24V DC
802.11 b/g/n/ac WLANcommunication HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Support of WLAN wireless communication Bound HT20/40/80MHz 24 VDC, 1.2 A 26 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature -30 °C ~ 60 °C -40 °C ~ 70 °C \$4000 m Found Temperature Support of WLAN wireless communication Support of WLAN wireless communication	Analog input	4, support 4 ~ 20 mA or 0 ~ 10 VDC
WLANcommunication HT20/40/80MHz 2.4GHz / 5GHz Power Supply DC input DC output Power consumption Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Dimensions (W x H x D) Weight Mounting type Ordering information HT20/40/80MHz 2.4GHz Ambient 24 VDC, 1.2 A 24 VDC, 0.5 A <a href="Tokan Color of a color of a</td><td>Wireless communication</td><td></td></tr><tr><td>2.4GHz / 5GHz Power Supply DC input 24 VDC, 1.2 A DC output 24 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature -30 °C ~ 60 °C Storage Temperature -40 °C ~ 70 °C Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Support of WLAN wireless communication 24 VDC, 1.2 A 26 VDC, 1.2 A 27 VDC 28 VDC, 1.2 A 29 VDC 29 VDC 20 VDC 2</td><td></td><td>802.11 b/g/n/ac</td></tr><tr><td>Power Supply DC input DC output DC output Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information 24 VDC, 1.2 A 24 VDC, 0.5 A 24 VDC, 0.5 A 26 °C 70 °C 8 (non-condensing) ≤ 40 °C ~ 70 °C 8 (non-condensing) ≤ 4000 m 1P20 Mechanical parameters Dimensions (W x H x D) Top-hat rail mounting / wall mounting Ordering information</td><td>WLANcommunication</td><td>HT20/40/80MHz</td></tr><tr><td>DC input DC output DC output 24 VDC, 0.5 A Power consumption Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information 24 VDC, 1.2 A 24 VDC, 1.2 A 24 VDC, 1.2 A 24 VDC, 1.2 A 26 VDC, 1.2 A 26 VDC, 1.2 A 26 VDC, 1.2 A 26 VDC, 1.2 A 20 W Commonication 24 VDC, 1.2 A 26 VDC, 1.2 A 20 W Commonication Support of WLAN wireless communication</td><td></td><td>2.4GHz / 5GHz</td></tr><tr><td>DC output Power consumption Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information 24 VDC, 0.5 A 	ower Supply	
Power consumption Ambient conditions Operating Temperature Storage Temperature -40 °C ~ 70 °C Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information	OC input	24 VDC, 1.2 A
Ambient conditions Operating Temperature Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information -30 °C ~ 60 °C -40 °C ~ 70 °C ≥95 % (non-condensing) ≤4000 m IP20 200 mm × 110 mm × 60 mm Top-hat rail mounting / wall mounting	OC output	24 VDC, 0.5 A
Operating Temperature -30 °C ~ 60 °C Storage Temperature -40 °C ~ 70 °C Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight 500 g Mounting type Ordering information -30 °C ~ 60 °C -40 °C ~ 70 °C -40 °C ~ 60 °C -40 °C ~ 70 °C -40 °C ~ 60 °C -40 °C ~ 70 °C -40 °C ~ 7	ower consumption	<10 W
Storage Temperature Relative air humidity Elevation Protection class Mechanical parameters Dimensions (W x H x D) Weight Mounting type Ordering information Support of WLAN wireless communication -40 °C ~ 70 °C	Ambient conditions	
Relative air humidity ≤95 % (non-condensing) Elevation ≤4000 m Protection class IP20 Mechanical parameters Dimensions (W x H x D) 200 mm × 110 mm × 60 mm Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Operating Temperature	-30 °C ~ 60 °C
Elevation ≤4000 m Protection class IP20 Mechanical parameters Dimensions (W x H x D) 200 mm × 110 mm × 60 mm Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Storage Temperature	-40 °C ~ 70 °C
Protection class IP20 Mechanical parameters Dimensions (W x H x D) 200 mm × 110 mm × 60 mm Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Relative air humidity	≤95 % (non-condensing)
Mechanical parameters Dimensions (W x H x D) Weight Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Elevation	≤4000 m
Dimensions (W x H x D) Weight Soo g Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Protection class	IP20
Weight 500 g Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Mechanical parameters	
Mounting type Top-hat rail mounting / wall mounting Ordering information Support of WLAN wireless communication	Dimensions (W x H x D)	200 mm × 110 mm × 60 mm
Ordering information Support of WLAN wireless communication	Weight	500 g
Support of WLAN wireless communication	Mounting type	Top-hat rail mounting / wall mounting
Support of WLAN wireless communication	Ordering information	
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