solaredge

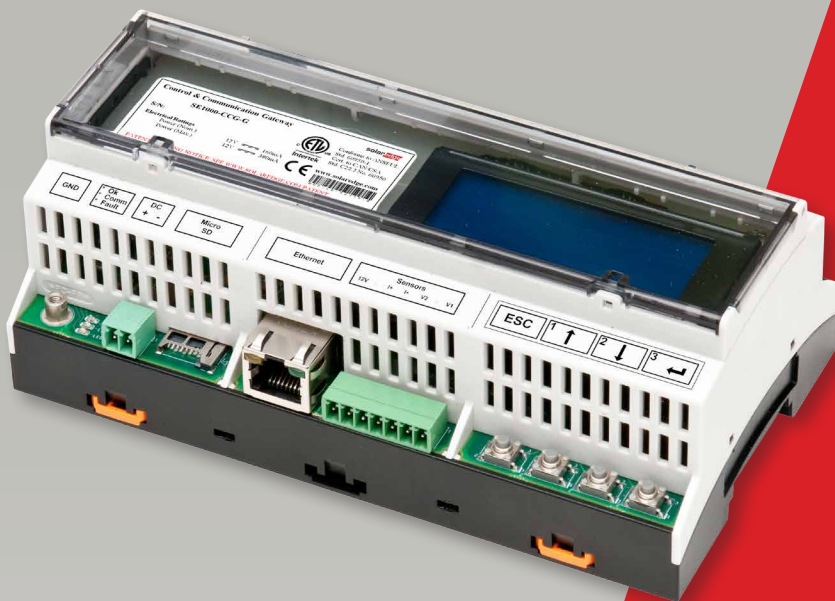# SolarEdge Control and Communication Gateway

SE1000-CCG-G

All-in-one communication gateway

- Wireless connections
- Environmental sensors support
- Power reduction interface
- Electricity meter reader
- Non-SolarEdge inverter data loggers
- Easy installation - DIN rail and wall mount

USA - GERMANY - ITALY - FRANCE - JAPAN - CHINA - AUSTRALIA - THE NETHERLANDS - ISRAEL   www.solaredge.us

SolarEdge Control and Communication Gateway
SE1000-CCG-G

POWER		
Power Supply - Wall Mount	Included, 100-240VAC, EU/UK/US/AU interchangeable, 2-pin plug	
Supply Voltage	9-14	Vdc
Connector Type	terminal block	
Power Consumption	<2	W

ANALOG SENSOR INPUT				
Number of Inputs	3			
	Range	Accuracy	Resolution	
Input 1	0-30mV or 0-2V			
Input 2	0-2V or 0-10V	+/- 1% f.s	10 bit	
Input 3	-20mA – 20mA			

COMMUNICATION INTERFACES		
Ethernet Interface	10/100-BaseT	
Wireless Connections	ZigBee module (*)	
Power Reduction Interface	4 control pins, 5V, GND	
RS232 Interface	For local connection	

SUPPORTED RS485 DEVICES (a)		
SolarEdge Devices	Yes	
Export Inverter Data	Yes	
Revenue meters	Yes	
Export Data to Non-SolarEdge Logger	Yes	

ENVIRONMENTAL		
Operating Temperatures	-20 to 60 / -4 to 140	°C / °F
Protection Rating	IP20 Indoor	

MECHANICAL		
Mounting Type	DIN Rail / Wall mount	
Dimensions (LxWxH)	161.6 X 90 X 62 / 6.36 x 3.54 x 2.44	mm / Inch
Weight	0.5 / 1.1	kg / lbs

STANDARD COMPLIANCE		
Safety	UL60950-1, IEC-60950-1	
EMC	FCC Part 15 class B, IEC61000-6-2, IEC61000-6-3	

(a) for supported protocols and devices, see link http://www.solaredge.com/files/pdfs/se-gateway-supported-devices.pdf
(*) sold separately - see individual product specs for supported locations
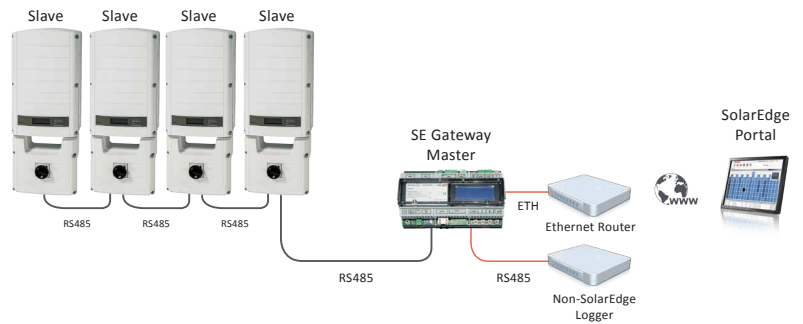
CONNECTION SCENARIOS
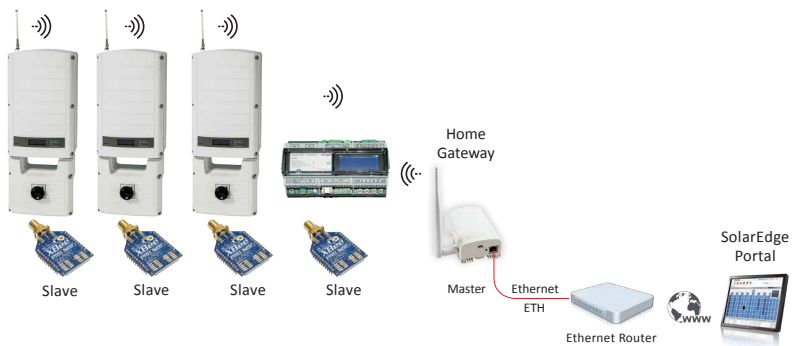
Example 1

Extend the Distance of Wired Connection
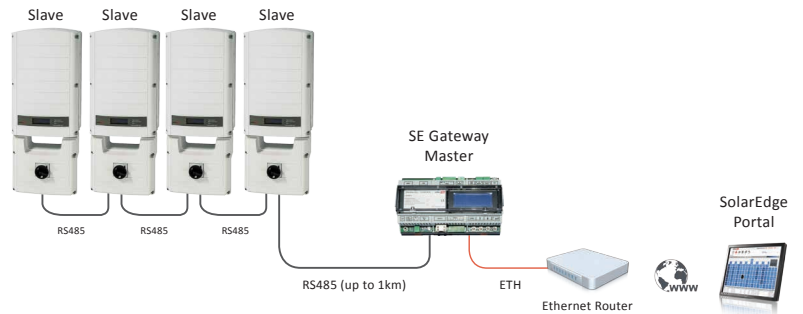
Example 2

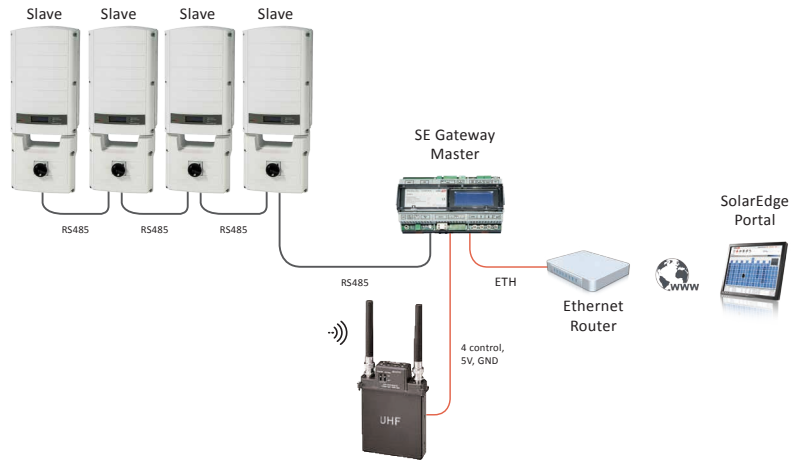Non-SolarEdge Logger & SE Monitoring
Parallel Connection

Example 3
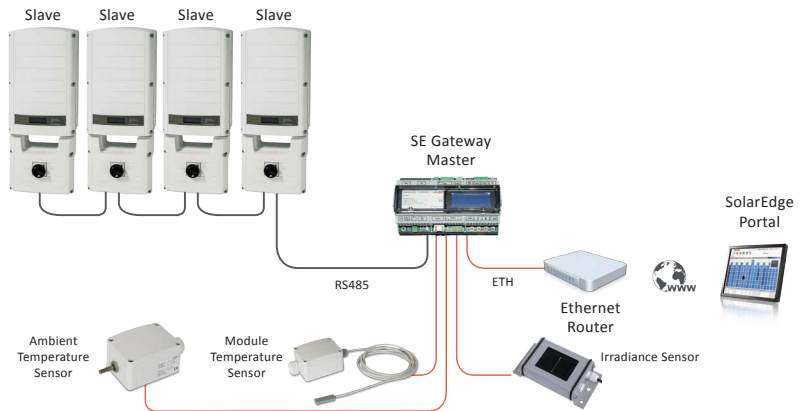
ZigBee Wireless Server Connection

CONNECTION SCENARIOS

Example 4

Power Reduction Interface (PRI) Connection

Slave   Slave   Slave   Slave

RS485   RS485   RS485

SE Gateway Master

RS485

ETH

Ethernet Router

SolarEdge Portal

www

UHF

4 control, 5V, GND

Example 5

Analog Sensors Connection

Slave   Slave   Slave   Slave

SE Gateway Master

RS485

ETH

Ethernet Router

SolarEdge Portal

www

Ambient Temperature Sensor

Module Temperature Sensor

Irradiance Sensor

Example 6

Electricity Connection

Slave   Slave   Slave   Slave

RS485   RS485   RS485

SE Gateway Master

RS485

ETH

Ethernet Router

SolarEdge Portal

www

RS485

Electricity Meter