

Commercial Gateway

SE1000-CCG-G-S1

COMMUNICATION



All-in-one communication gateway

- Expands the SolarEdge system's monitoring and control capabilities
- Wireless connectivity including optional Wi-Fi, cellular, and ZigBee
- Supports a variety of environmental sensors including temperature, irradiance, and wind
- Easy installation via DIN rail or wall mount
- Power reduction interface for controlling inverter power - complies with EEG & BDEW standards
- Connects to third-party data loggers
- Energy meter reader

/ Commercial Gateway

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SPECIFICATIONS

UNITS

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	+/- 1% f.s	10-bit	
Input 2	0-2V or 0-10V			
Input 3	-20mA to 20mA			

COMMUNICATION INTERFACES

Ethernet Interface	10/100-BaseT		
Wireless Connections	Wi-Fi ⁽¹⁾		
Cellular Module Interface	Cellular Module ⁽¹⁾		
Power Reduction Interface	4 control pins, 5V, GND		
RS485 Interface	2 ports; May be used for local connection		

SUPPORTED RS485 DEVICES

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	

STANDARD COMPLIANCE

Safety	IEC60950, UL60950	
EMC Approvals	ETSI (Europe), C-Tick (Australia), Telec (Japan)	

MECHANICAL

Mounting Type	DIN rail / Wall mount		
Dimensions (L x W x H)	165 X 90.5 X 53.5 / 6.5 X 3.56 X 2.11		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	

(1) Sold separately - see individual product specs for supported locations

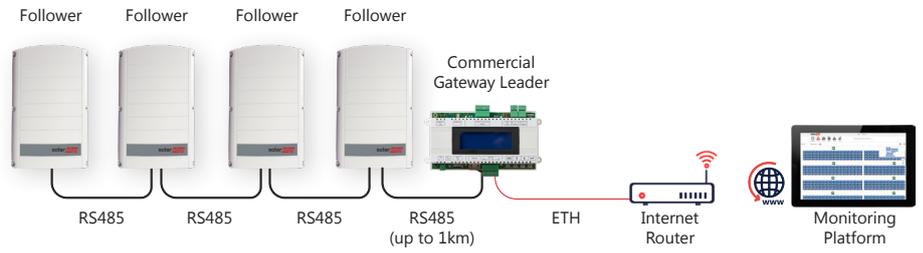
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CONNECTION SCENARIOS

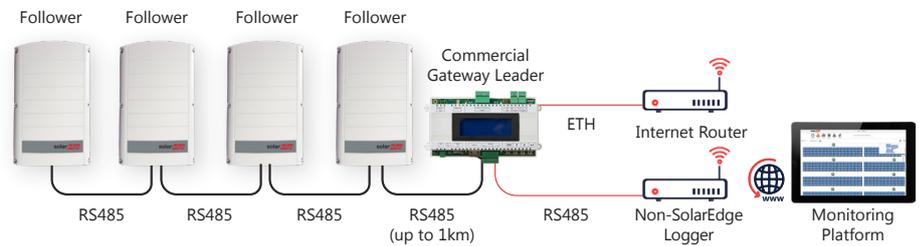
Example 1

Extend the Distance of Wired Connection



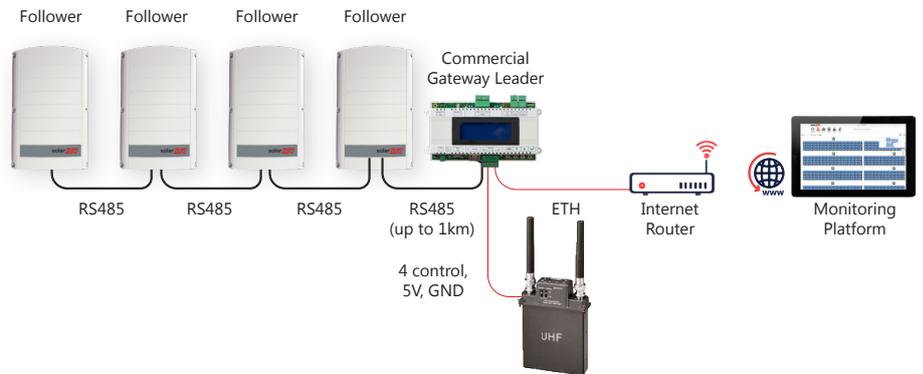
Example 2

Non-SolarEdge Logger & SolarEdge Monitoring Parallel Connection



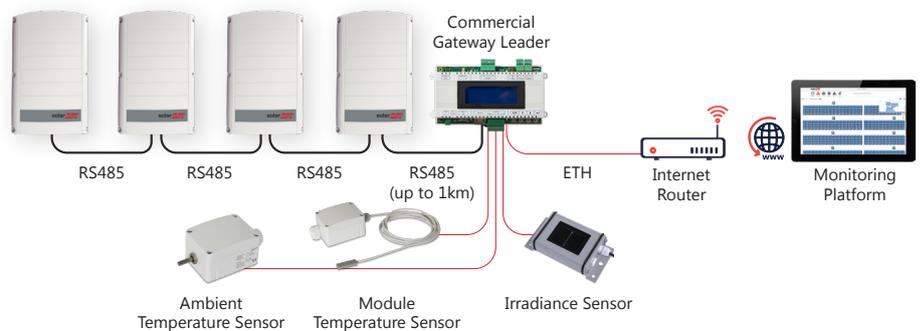
Example 3

Power Reduction Interface (PRI) Connection



Example 4

Analog Sensors Connection

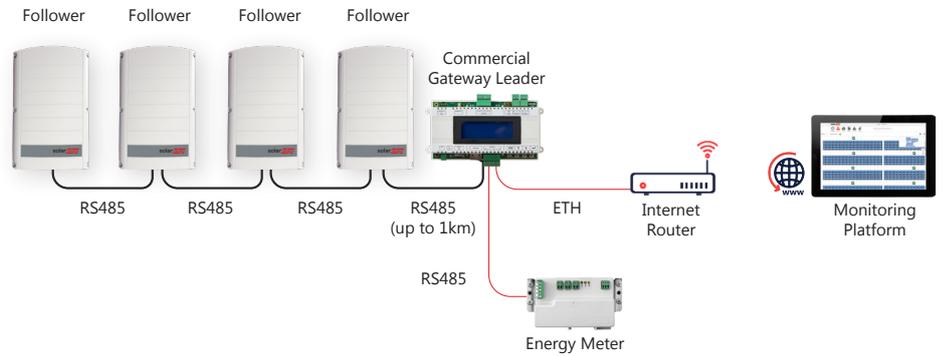


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CONNECTION SCENARIOS

Example 5 Electricity Connection



Example 6 Cellular Connectivity

