

Data sheet light

GreenStreet CG-600 Smart City Gateway

The data sheet light contains limited information on the product. See the full data sheet for more information.



ELECTRICAL CHARACTERISTICS

Name	Value	Unit	Condition
Power supply	18-30	Vdc	
Power consumption	< 3	W	Nominal

PLATFORM & INTERFACES

Name	Value
Processor	ARM Cortex-A7 800 MHz
Memory	eMMC 4 GB, DDR3L RAM 512 MB; other options available
Network options	Cellular 4G (eSIM or Softsim), Ethernet 100 Mbit, WiFi 802.11b/g/n, Bluetooth 4.2/BLE
LTE category	LTE CAT-M1 Worldwide
Antennas	Built-in vertical antennas: Cellular, WiFi, RF mesh 2.4 GHz
Software protocols	MQTT/JSON, CBOR

WIRELESS COMMUNICATION

Specification item	Value	Unit	Condition
RF communication	Mesh, 2.4	GHz	GFSK
RF protocol software	Wirepas (default)		Decentralized network infrastructure; all devices can route; multi-gateway support; multi-channel operation; efficient collision-free spectrum use to allow dense networks. For other supported RF mesh stacks, contact Capelon.
Security	AES 128-bit encryption		

PRODUCT VARIANTS

Model	Variant	Description
CG-600	Ethernet, eSIM	LTE Cat-M1, mesh WP 2.4 GHz, Ethernet, eSIM
CG-600	Ethernet, SIM connector	LTE Cat-M1, mesh WP 2.4 GHz, Ethernet, SIM connector

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PROTECTION

Specification item	Value	Unit	Condition
Required external fuse	6	A	
Material & protection	PC/PBT/Aluminium alloy		
IP rating	IP-6K9K class		

INSTALLATION & MOUNTING

Specification item	Value	Unit	Condition
Installation	Center screw installation		
Mounting in metal cabinet housing	External		For optimal RF
Mounting in PCB cabinet housing	Internal/External		For optimal RF

TEMPERATURE & HUMIDITY

Type	Value	Unit	Condition
Operational temperature	-40 to +60	°C	
Storage temperature	0-50	°C	In the event of water ingress, the unit must be fully dried before use. Do not store the unit near substances that may create a corrosive environment.
Relative humidity	5 to 95	%	Non-condensing. For use up to max 2000 m. For higher altitudes, contact Capelon.

DIMENSIONS & WEIGHT

Item	Value	Unit	Comment
Ø	135	mm	Diameter
H	40	mm	Height
Weight	360	g	

APPROVALS

Item	Value
Approvals	RED Directive 2014/53/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, LVD Directive 2014/35/EU
Radio	EN 301 489-1, EN 301 489-17, EN 301 489-52, EN 300 328, ver. 2.2.2
EMC	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3
Safety	EN IEC 62368-1:2020+A11, Overvoltage Category II

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