

Universal Gateway

SL-UGW



The Universal Gateway is a machine-to-machine protocol converter. It connects to products of various protocols and allows them to talk to an entire system. Devices and systems are able to work together to use data in a coordinated manner.

What is the Universal Gateway (UGW)?

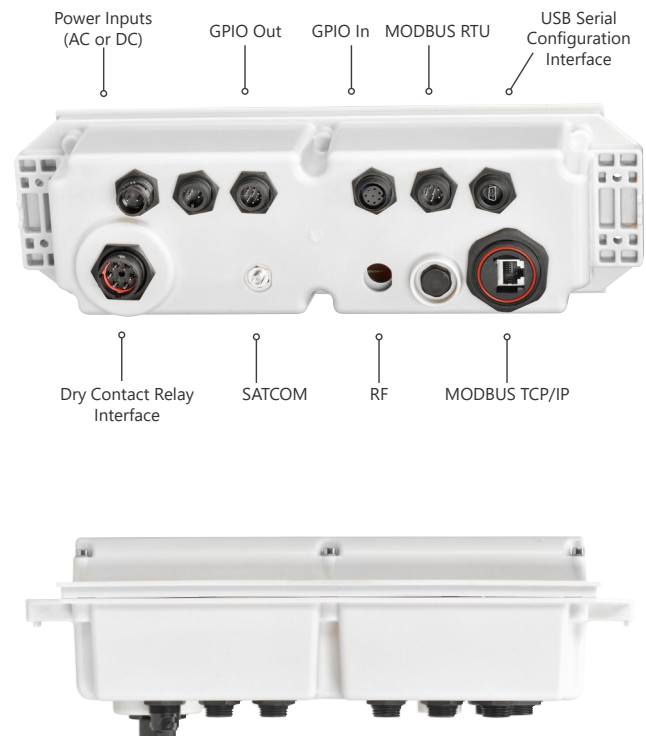
The UGW is bi-directional, allowing communication and commands back to the asset for control or monitoring purposes. It includes fully configurable interface mapping to be implemented by an integrator or end-user to align with their products.

Third Party Integration

The UGW is designed to integrate Sealite products into third party control and monitoring systems, or integrate third party products into Sealite Control and Monitoring Systems. It can also allow third party products to be monitored via SATCOM.

Connect through Star2M® portal

Using our Star2M® Asset Management software, all connected assets are controlled, monitored and maintained. In all applications, the Universal Gateway can be integrated using a standard methodology, but can be configured through programming for specific interface requirements.



Key Features

- Bluetooth® for programming and servicing
- Wide range of communication interfaces including MODBUS, IO, Relay and RF
- Remote control and monitoring enabled via SATCOM or GSM
- Universal Mains (AC) or DC Input

Optional

- Cable Kit

Interfaces Available

- RF mesh network communication
- Serial configuration interface via USB
- Satellite communication (SATCOM) interface
- GSM communication interface
- MODBUS TCP/IP
- MODBUS RTU via RS-485
- Dry contact relay interface via electromechanical or high current variants
- Discrete IO via general-purpose input/output



Technical Specifications*

SL-UGW	DC	UM
Electrical Characteristics		
Input Voltage	12 - 48 VDC	120 - 240 VAC
Input Frequency	50 - 60Hz	
Operating Temperature	-40 to 55°C	
Power Consumption		
Peak	1.3W	70 VAC
Average	1.05W	N/A
Interfaces		
Standard	• Serial configuration interface via USB • MODBUS TCP/IP • MODBUS RTU via RS-485 • Discrete IO via general-purpose input/outputs	
Optional	• RF mesh network communication • Satellite communication (SATCOM) interface • GSM communication interface • Dry contact relay interface via electromechanical or high current variants (Control only)	
Physical Characteristics		
Body Material	Polycarbonate	
Height (mm/inches)	Base Build: 188mm / 7.40 in SATCOM: 199mm / 7.83 in RF: 385mm / 15.15 in RF and SATCOM: 385mm / 15.15 in	
Width (mm/inches)	Base Build: 344mm / 13.54 in SATCOM: 394mm / 15.51 in RF: 394mm / 15.51 in RF and SATCOM: 445mm / 17.52 in	
Depth (mm/inches)	Base Build: 111mm / 4.37 in SATCOM: 111mm / 4.37 in RF: 111mm / 4.37 in RF and SATCOM: 111mm / 4.37 in	
Mass (kg/lbs)	Base Build: 1.35kg / 2.98 lbs SATCOM: 1.5kg / 3.31 lbs RF: 1.6kg / 3.53 lbs RF and SATCOM: 1.8kg / 3.97 lbs	
Service Life	12 years ^	
Environmental Standards		
Shock	MIL-STD-202G, method 213B	
Vibration	MIL-STD-202G, method 204D	
Humidity	0 to 100%	
Compliance		
FCC (North America) and IC (Canada)	FCC Part 15B/ICES 003, FCC/IC MPE Assessment, Co-location	
CE (Europe)	EN 301489-1/17/19/20/52, EN 301908-1, EN 300328, EN301441, EN 303413, EN 62311	
RCM (Australia/New Zealand)	EN 55032, AS/CA S042.1, AS/CA S042.4, RSE AS/NZS 62368.1, AS/NZS 2772.2, IEC 62368.1, IEC 60529	
Quality Assurance	ARPANSA RPS3 ISO9001:2015	
Intellectual Property		
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd	
Warranty *	3 years	
Options Available	• Cable Kit • Star2M • Mounting Accessories	
Terms and Conditions	Please refer to the individual light installation manuals for further specifications. Warranty Terms and Conditions available on www.sealite.com	

How to Order SL-UGW Series

SL-UGW-[XX]-[XX]

Product Name: _____

Power Supply: _____

DC DC Input
UM Universal Mains Input

LED Option: _____

00	Base Build	09	RF-2.4 (RF Communications 2.4 GHz)
01	EM-RB (Electromechanical Relay Board)	10	EM-RB, RF-2.4
		11	SSR-RB, RF-2.4
02	SSR-RB (Solid State Relay Board)	12	SAT, RF-2.4
03	SAT (Satellite Communications)	13	GSM, RF-2.4
04	GSM (GSM Communications)	14	EM-RB, SAT, RF-2.4
05	EM-RB, SAT	15	SSR-RB, SAT, RF-2.4
06	SSR-RB, SAT	16	EM-RB, GSM, RF-2.4
07	EM-RB, GSM	17	SSR-RB, GSM, RF-2.4
08	SSR-RB, GSM		

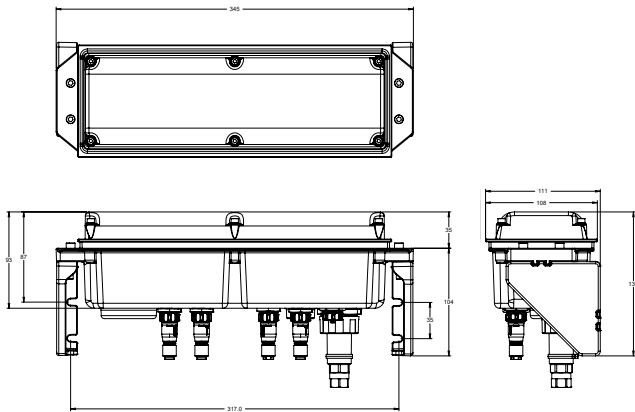
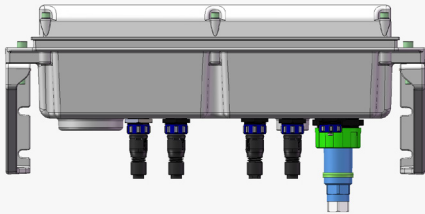


- Specifications subject to change or variation without notice
- * Subject to standard terms and conditions
- † Intensity may vary in accordance with LED manufacturers specification
- ^ Refer to the Sealite website under the warranty section

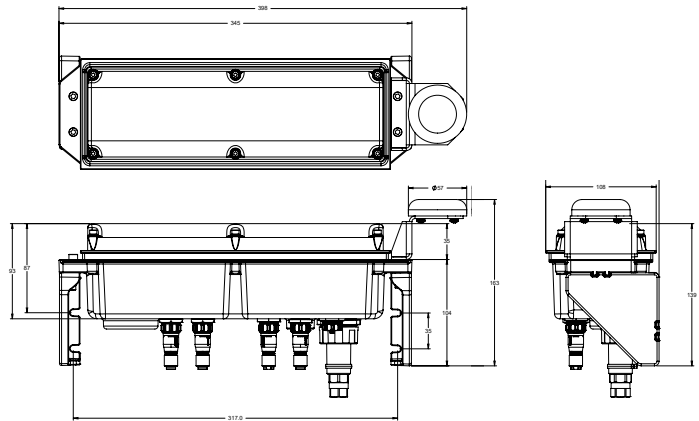
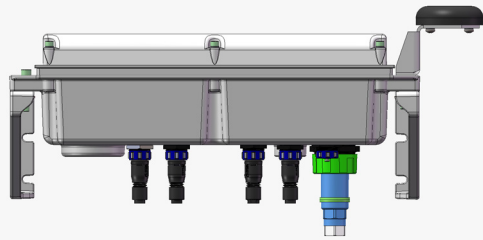


Want to monitor, maintain, manage and control your assets? [Click here](#)

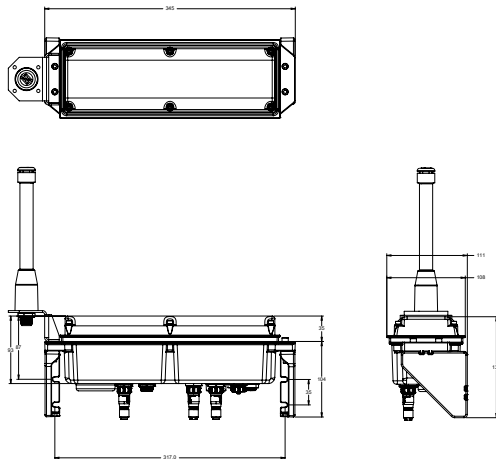
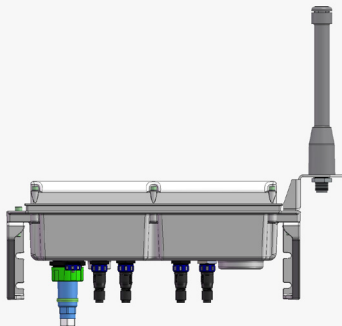
Base Build



SATCOM



RF



RF and SATCOM

