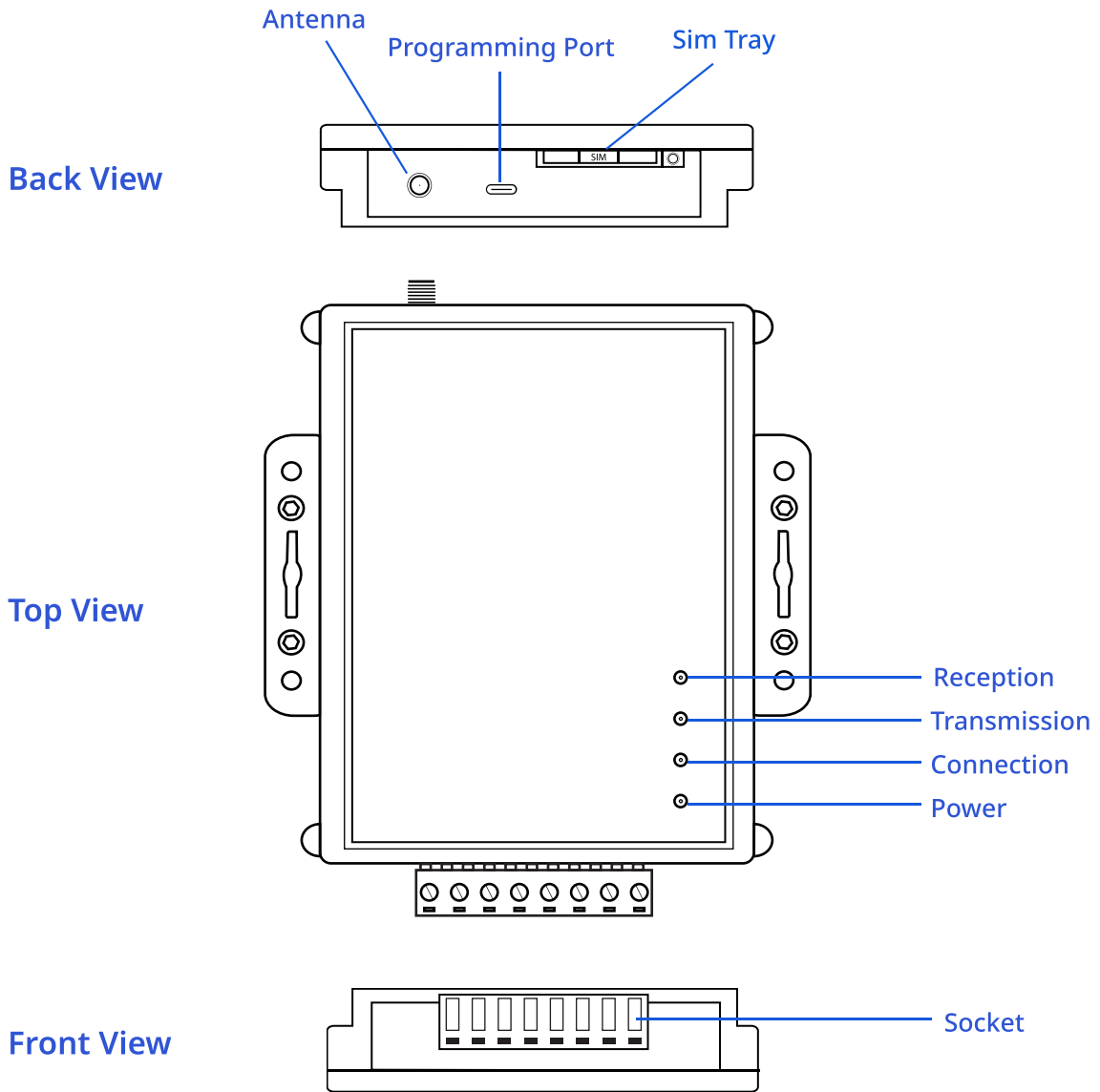


# ST-52 L

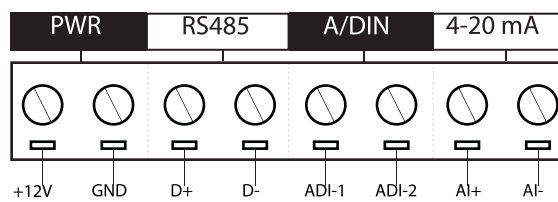
4G Lite Gateway



# HARDWARE



## Socket Input (Top View)



## FEATURES

### NETWORK

LTE FDD Band	Asia - B1/B3/B5/B8 Europe - B1/B3/B5/B7/B8/B20/B28
LTE TDD Band	Asia - B34/B38/B39/B40/B4 Europe - B38/B40/B41
GSM Band	Asia - B3/B8 Europe - B2/B3/B5/B8
Bandwidth	Asia - 1.4/3/5/10/15/20 MHz Europe - 1.4/3/5/10/15/20 MHz

### MODBUS

Modbus protocol	Modbus RTU Master
Baud Rate	400, 4800, 9600, 19200, 38400, 57600, 115200 bps
Data Bits	7, 8
Parity	None, Odd, Even
Stop Bit	0, 1, 2
Index Count	32 Index
Word Count per Index	100
Gateway Configuration	Serial Utility, Server IP Commands, FTP, SMS Command

### DATA TO SERVER

Protocol	Configurable TCP, HTTP, HTTPS, MQTT - SSL Enabled
Protocol Format	Configurable JSON / CSV String Format

### SYSTEM CHARACTERISTICS

CPU	ARM® CortexTM-M0 Standard operating frequency up to 32 MHz
Data Backup	~5 days @ 30 seconds interval

## PHYSICAL INTERFACES (PORTS, LEDS, ANTENNA, BUTTONS)

Ports	1 Channel (0 to 24V) Power Supply 1 Channel (0 to 24V) Modbus RS-485 2 Channel (0 to 24V) Analog / Digital Input 1 Channel (4 to 20mA) Current Input
Serial Programming Interface	Type C cable / Device Configuration via Utility
Status LEDs	1x Power LED 1 x GSM LED 2 x Modbus Communication Status
Power	12V to 24V DC (Reverse Polarity Protection)
RS485 Port	upto 32 Modbus Slave Device Connection
Anntena	1 x SMA for LTE Connectivity

## PHYSICAL SPECIFICATION

Casing material	Plastic Polymer
Dimensions (W x H x D)	100 x 85 x 24 mm ( L x W x H )
Weight	160 grams
Mounting options	Wall Mount, Flat surface, Bottom DIN rail

## OPERATING ENVIRONMENT

Operating Voltage	12V - 24V DC
Supply Current	60 mA @12V DC (~0.8W - Idle), (~1.7W - Transmission)
Operating temperature	Operating: -30C to +85C
Ingress Protection Rating	IP60

## What's in the box ?

### Standard package contain

- ST-52 L
- 24 W Adapter
- 1 X LTE Antenna (Magnetic Mount, SMA Male, 3 M Cable)
- QSG (Quick Start Guide)
- Packaging Box



ST-52 L



24 W Adapter

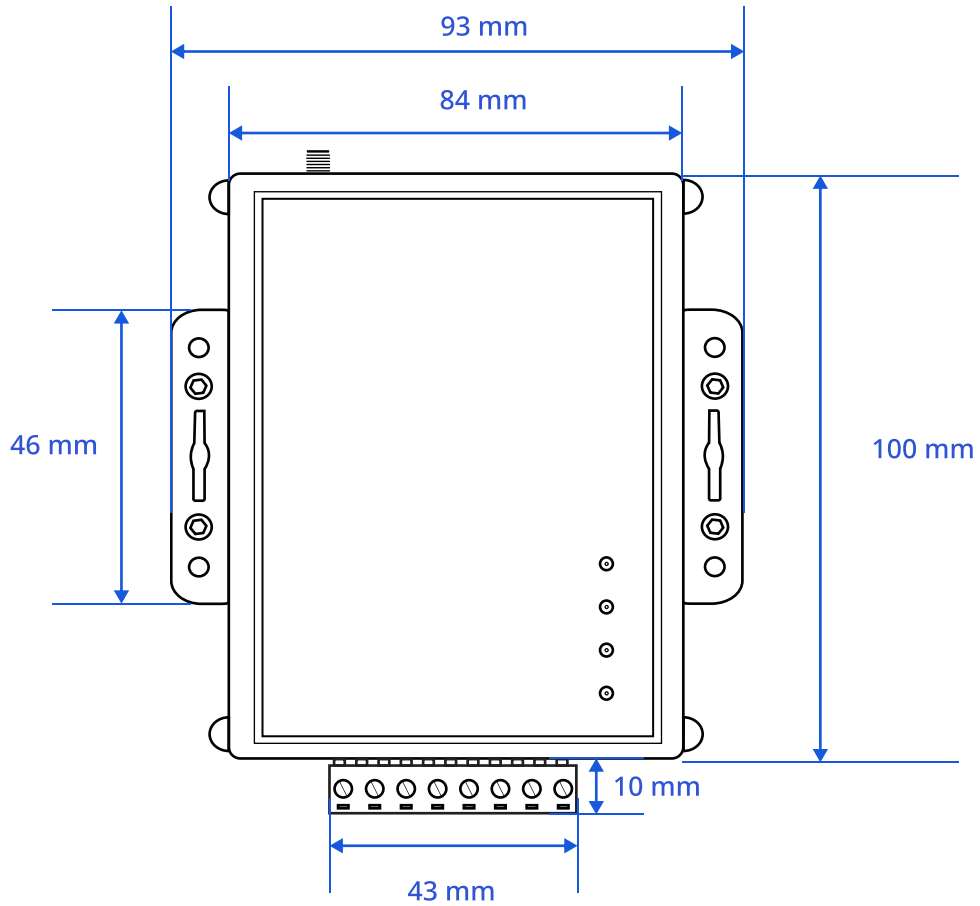


1 X LTE Antenna (Magnetic Mount, SMA Male, 3 M Cable)

## ST-52 L MEASUREMENTS

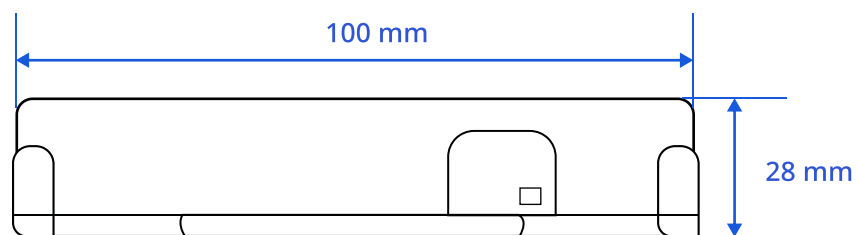
### TOP VIEW

The figure below depicts the measurements of ST-52 L and its components as seen from the top:



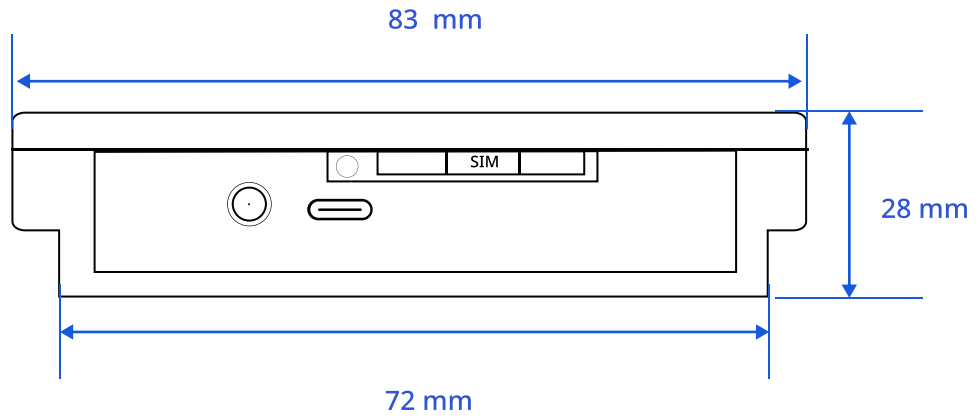
### RIGHT VIEW

The figure below depicts the measurements of ST-52 L and its components as seen from the right side



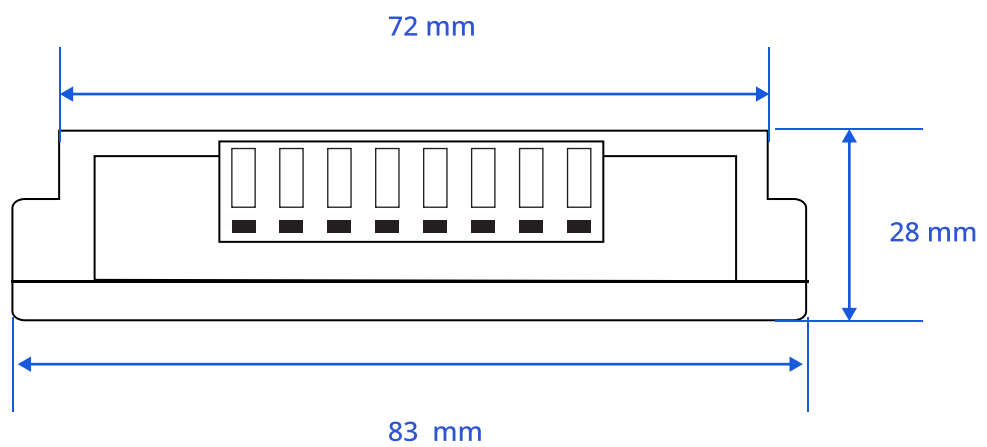
### REAR VIEW

The figure below depicts the measurements of ST-52 L and its components as seen from the back:



### FRONT VIEW

The figure below depicts the measurements of ST-52 L and its components as seen from the front:



## Get in touch with us !

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[www.faclon.com](http://www.faclon.com) | [support@faclon.com](mailto:support@faclon.com)

NOTE - We pursue a policy of continuous research and development.  
Specifications and features are subject to change without notice

