



LMD Hitech India Private Limited

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Technical Document

Version- 2.0.0

FOECOURT CONTROLLER

Model: GAFC01

The System Model: GAFC01 Item is a customized design. Any of the features can be changed/Modified/improved on instructions of Customer. Although, the design and trademark covers under Intellectual Property Rights (IPR) owned by Lmd hitech India (P) Limited

| Prepared By | | Authorised By (LHIPL) | | Modification Hystory | |
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| Sitanshu Garg | 15-02-2021 | David | 15-02-2021 | 1.0.0 | --- |
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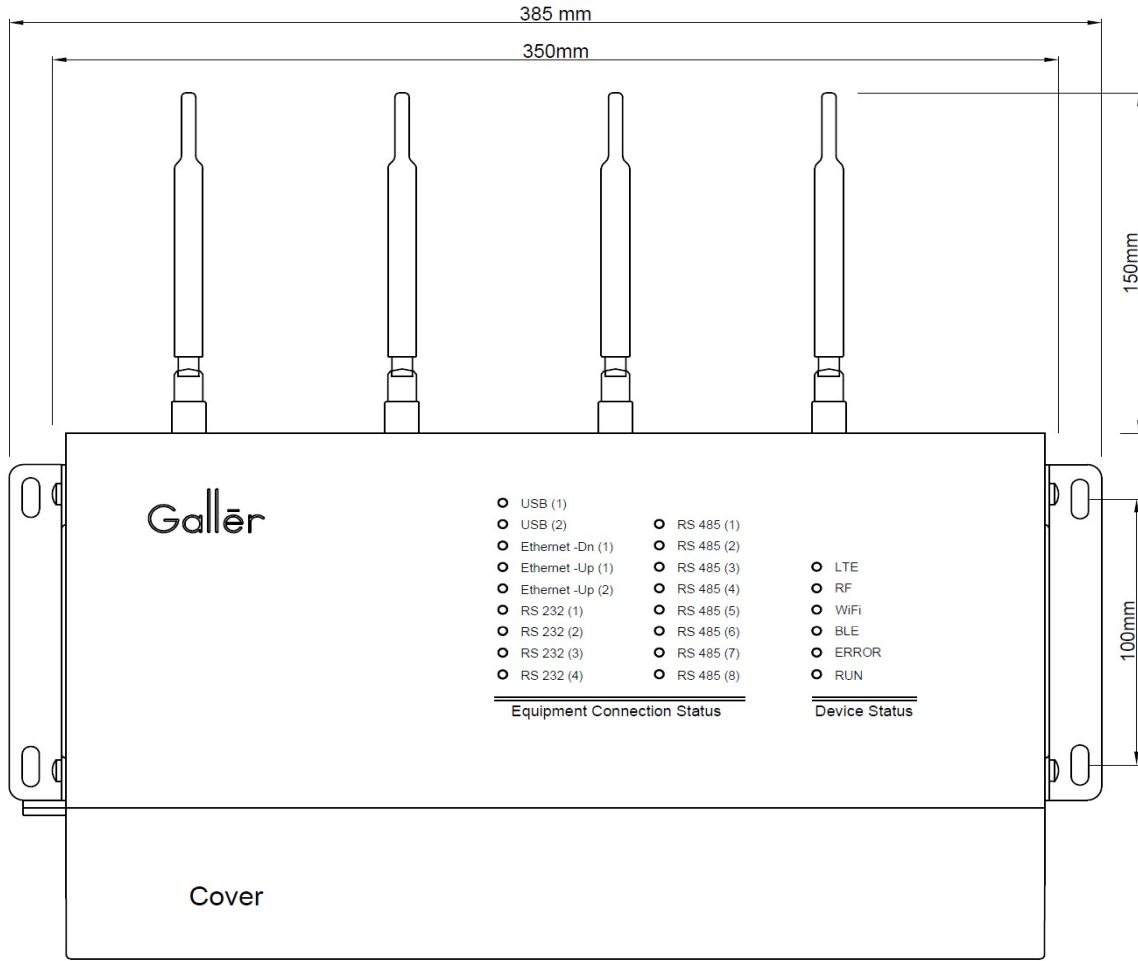
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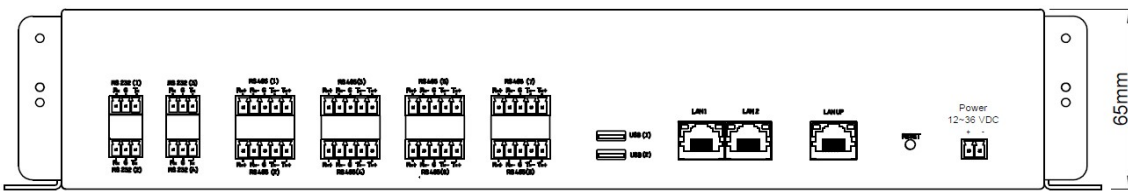
INTRODUCTION

GALLER GAFC 01 forecourt controller serves for control over petroleum, LPG and CNG dispensers and automatic tank gauge systems and probes, EPS, etc including POS systems, cash registers, payment terminals and mobile applications. It can provide control over any of the dispensers on the forecourt and should not matter what are the brands of dispensers and ATG systems used. The Galler FCC is a hardened device that is built to be customisable and upgradable as and when the requirement arises. It has multiple IOs that can connect to a host of equipments and can communicate on any native protocol. The controller works on both ethernet as well as GPRS wan communication and has the capability to switch to either incase of redundancy.

DRAWING

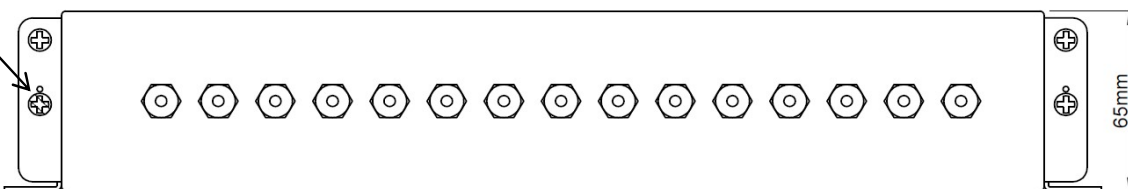


FRONT VIEW



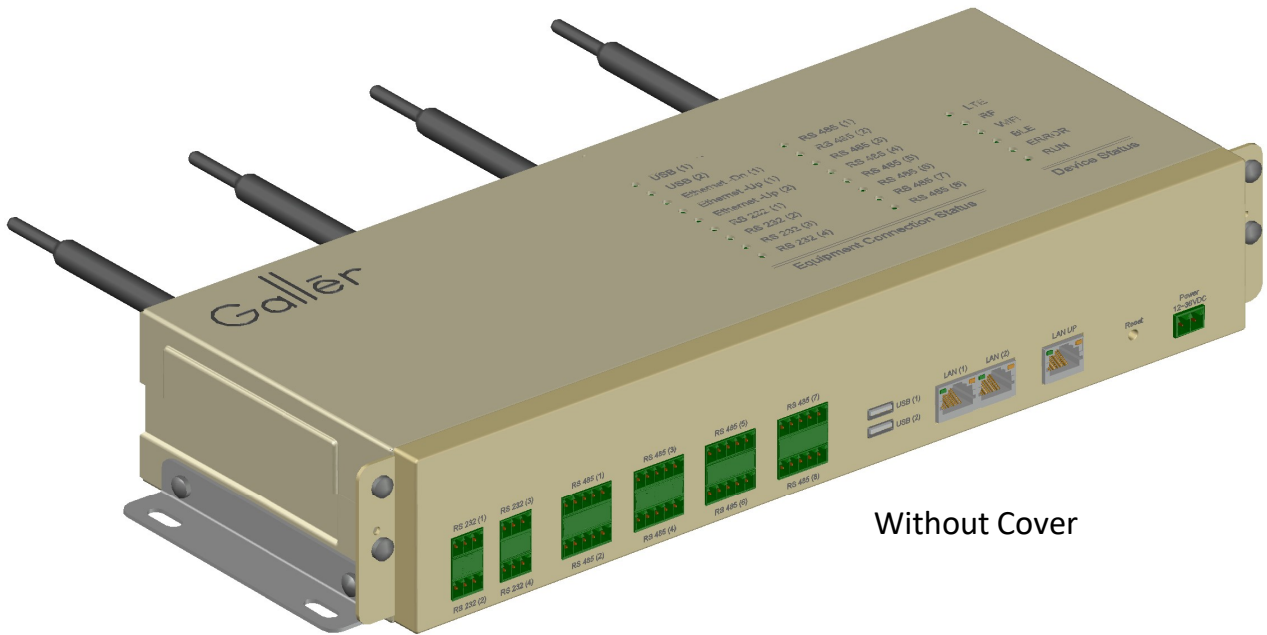
Bottom View Without Cover

Provision of Seal x 2 Nos

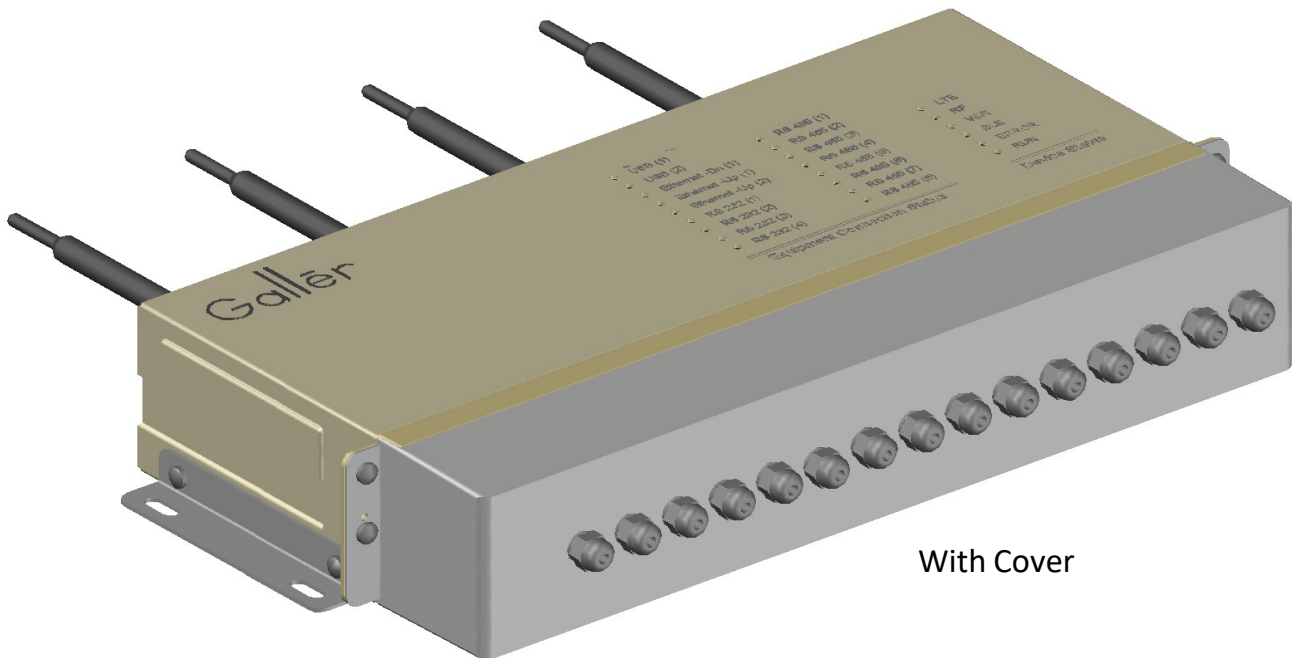


Bottom View With Cover

Picture



Without Cover



With Cover

Hardware Specification and features :

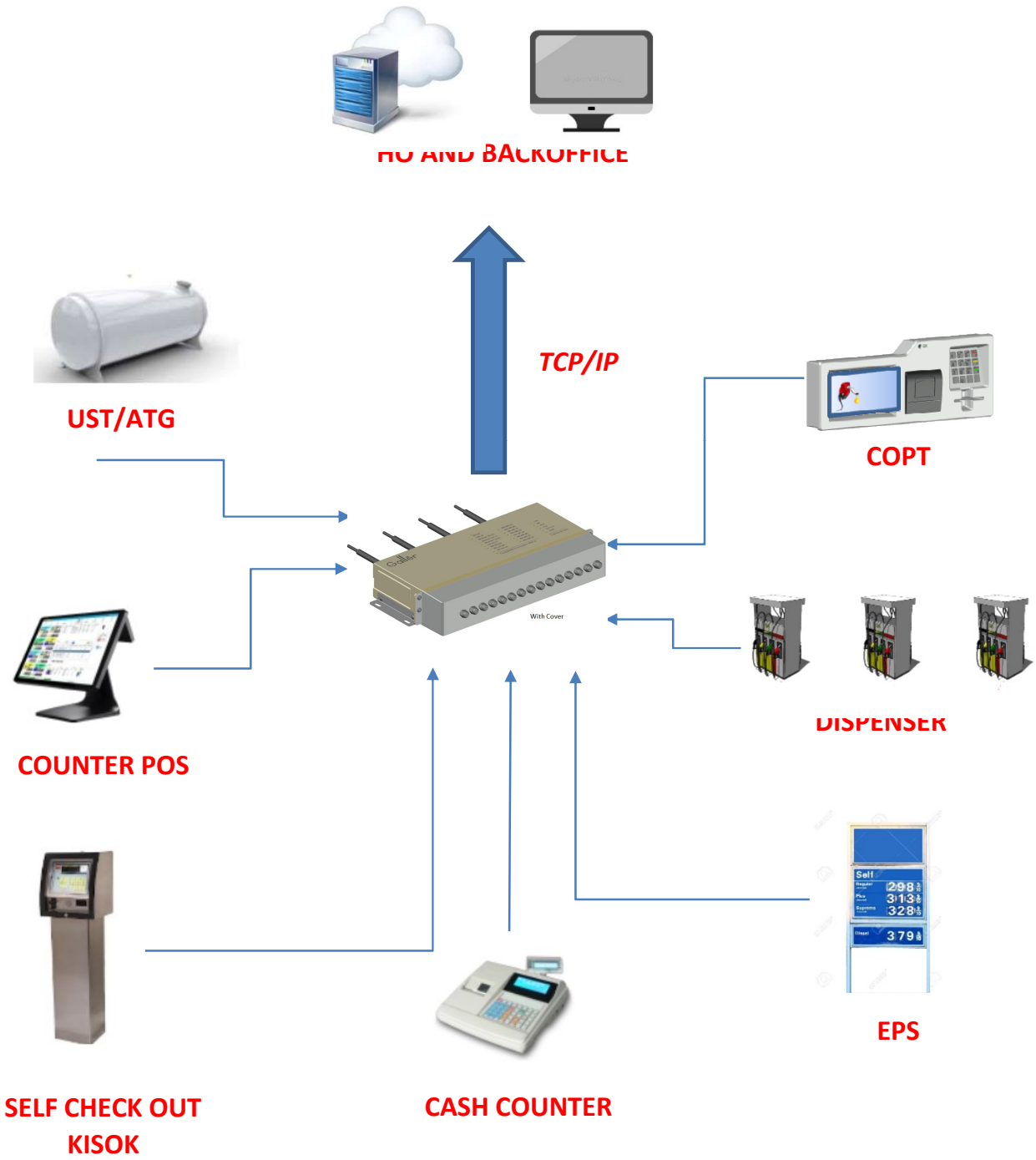
Internal Electronic System:

| S.No | Item | Specifications |
|------|----------------------|---|
| 1 | Power Supply Voltage | 12~36 VDC |
| 2 | Maximum Power | 20W |
| 3 | Processor | iMAX 6 (NXP) Std. /iMAX 8 (Optional) |
| 4 | SRAM | 4 GB |
| 5 | ROM | 32 GBStd. / 64 GB (Optional and Recommended) |
| 6 | Ethernet | 2 No. (10/100 mbps Ports) |
| 7 | GPRS | LTE CAT 4 |
| 8 | OS | UBUNTU |
| 9 | Encryption | AES 128 |
| 10 | Interfaces | RS485/RS232/ DI/DO/ETHERNET/RF/WIFI/BLE |
| 11 | Operating Max Temp | 85 degrees |
| 12 | Data Rate | 1.2-100 kbits/s RF, upto 150 mbps server comm |
| 13 | Wifi communication | 802.11 b/g |
| 14 | RF communication | 865 MHz |
| 15 | Watchdog | On Hardware |

Features:

| S.no | Description | Implications |
|------|----------------------|---|
| 1 | Universal Interfaces | Oil companies have the freedom to select most |
| 2 | Functionality | Any feature can be deployed quickly |
| 3 | Embedded Design | Robust and stable, No moving parts |
| 4 | Built in web server | Additional services not required to run central systems |
| 5 | Rugged | Can withstand harsh temperatures and enviroments |
| 6 | Modular | Integrated Power module, CPU and Interface card |
| 7 | Redundancy | Has both ethernet and LTE |
| 8 | Wireless options | Has RF, WiFi, BLE |
| 9 | Support | Fast response from an experienced team of dedicated professionals with a broad industry-focused knowledge |
| 10 | | |
| 11 | | |
| 12 | Firmwar over the Air | Available |

Architecture



Technical Support and Services:

a) Hardware:

We have full Backup from Realtek (Taiwan) for any Engineering and hardware support and we are always ready for any technical queries.

b) Software:

We are in partnership with Apptom Electronics Pvt Limited, which enable us to develop our software with latest tools and technologies. The Research center is being taken cared by highly skilled IT professionals. All these additions provides us with enhanced capabilities to develop any software, faster and efficient than normal.

c) After sales Services:

A call center have been setup to support our customers. Our Engineers are fully capable of resolving any technical query. The solution can be provided on line and also on site, if required.

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