Smartpower®

ENTRY

POS for
2 Wheeler &
Non Fastag
Vehicles

DATA

FASTAG READERS

< 10 M

STICKERS

OUTDOOR LED DISPLAY

Smartpower CONTROL PANEL

IP CAMERA

TCP/IP

EXIT

POS for
2 Wheeler &
Non Fastag
Vehicles

FASTAG READERS

< 10 M

STICKERS

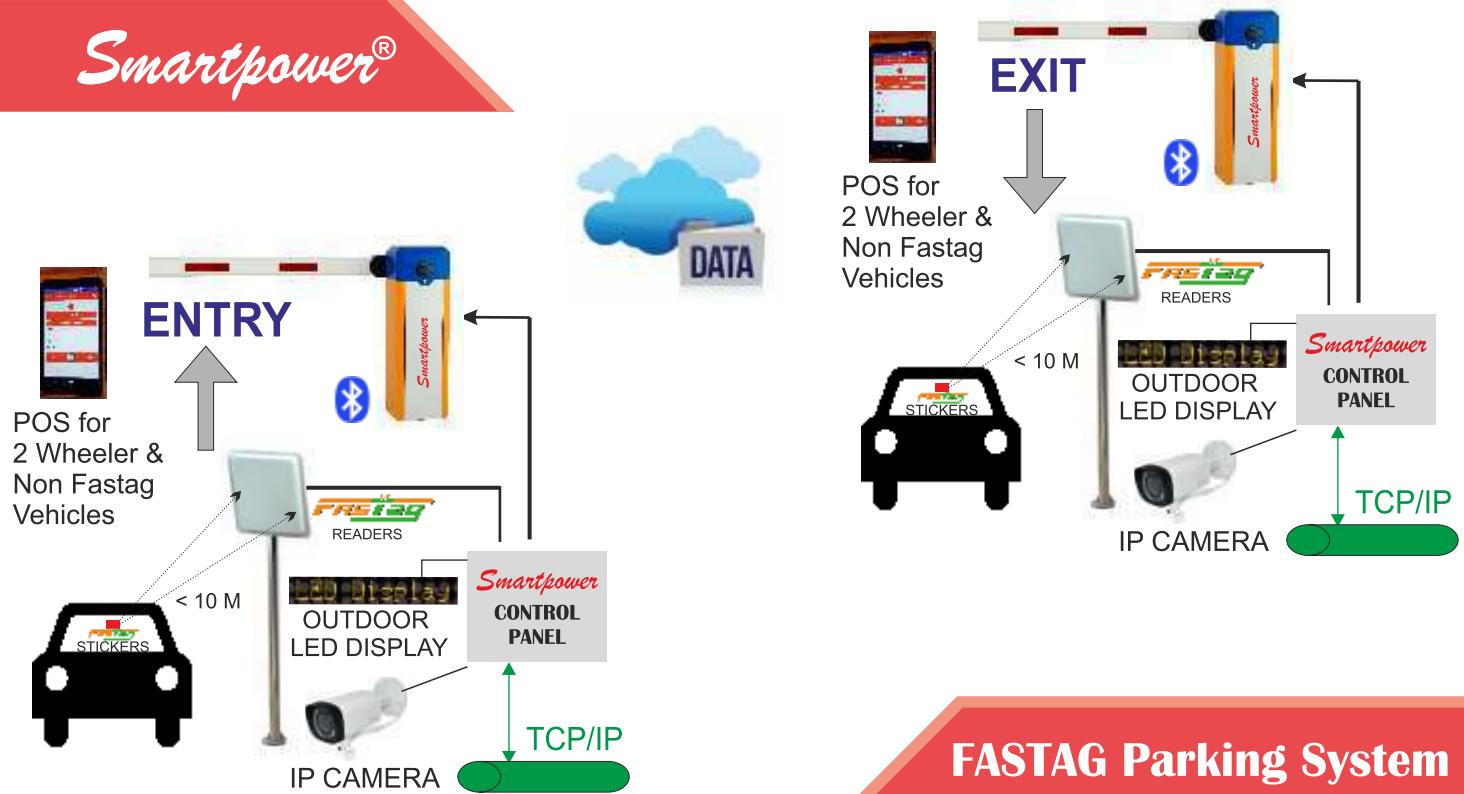OUTDOOR LED DISPLAY

Smartpower CONTROL PANEL

IP CAMERA

TCP/IP

FASTAG Parking System

For Apartments, Industry & Parking Area

OPERATION PRINCIPAL - *Smartpower* FASTAG Parking System works on FASTAG UHF Reader & FASTAG UHF Stickers.

When 4 wheeler reaches ENTRY GATE within <10 M distance of, The FASTAG Sticker on 4 wheeler is read by FASTAG Reader, it is further read by *Smartpower* Controller & verifies the validity of FASTAG over Internet. For valid transaction the picture of the 4 wheeler is taken & Barrier is OPEN by controller.

When the 4 wheeler reches EXIT GATE within <10 M distance, The FASTAG Sticker on 4 wheeler is read by FASTAG Reader, it is further validated via *Smartpower* Controller over Internet , then Picture is captured , Parking FEE is deducted digitally via FASTAG & Barrier is OPEN by Controller.

For Non FASTAG vehicles or 2 wheelers, at the entry QR code based Ticket is issued by POS system and the barrier OPEN by Bluetooth receiver. At the EXIT Gate the QR based ticket is scanned by POS system, the fare is calculated & collected by Cash / Digitally , the Barrier is OPEN by Bluetooth receiver.

All Data & reports are available in Real time in Dashboard in cloud. The entire system works on Internet by TCP/IP

Parking Fee is directly credited to the owner's Bank Account.

Features

- Fastag Based Parking Fee Collection
- Parking Fee Direct credited to owners Bank Account
- Automated Entry & Exit of vehicles
- Fare Management & Dynamic pricing for Pay & park
- Monthly Subscription for registered user
- Real time cloud data on Parking occupancy & revenue
- IP Camera for picture capture
- Outdoor waterproof LED Display
- Android POS for Non Fastag Vehicles

Specifications of *Smartpower* controller

Input GPIO	: 4 No
Output GPIO	: 4 No
Readers (UHF or NFC)	: 2 No
IP Cameras	: 2 No
Boom Barrier	: 2 No
LED Display	: 2 No

Smartpower CONTROL PANEL

* Note - If 2 Gates are within 5 meter distance & no of vehicles
Entry + Exit is within 1000 / day then only 1 controller can manage 2 gates

* Specification are subjected to change for improvements