

# <sup>®</sup> FREEDOM ///

*simpler / faster / better*

## **Parking Guidance Monitoring System**





«It is more than just  
controlling bays!»

«From end user to  
manufacturer, amazing!»

«I left parking lot on friday night and  
on monday morning it was all installed!

«This is the system  
we were looking for»

«Every detail counts»

«everything competitors do but completely different»

«Very simple to configure, amazing!»

«They dont know Freedom yet»

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# DEVICES

## ADVANTAGES

FREEDOM 3 IS A SET OF DEVICES COMPLETELY UNIQUE DEVICES IN THE PARKING GUIDANCE MARKET.

CONSISTING OF 4 WAY HUB, SENSOR, MASTER, DIGIT CONTROLLER, DIGITS, SIGNAGE CASE, POWER SUPPLY, HANDHELD, HANGERS AND TELESCOPIC CONDUIT WITH INTERNAL CABLES.

NO EXTERNAL PARTS ARE REQUIRED AS ALL DEVICES WERE DEVELOPED TO MAKE FREEDOM 3 THE EASIEST, FASTEST, MOST SIMPLE AND BEST PARKING GUIDANCE IN THE WORLD.

FREEDOM 3 MEANS IT ALL: **FREEDOM**.





# HANDHELD



**FREEDOM III**  
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## TECHNICAL DATA

01. OS	Microsoft Windows CE 6.0
02. CPU	Cortex - A8 1.0 GHz
03. MEMORY	RAM: 512 MB / ROM: 512 MB
04. EXTENDED MEMORY	Micro SD (TF) 32 G at most
05. DISPLAY	3,5 inch IPS LCD, HVGA (320x480), resistive touch screen
06. KEYBOARD	24 keys
07. WIFI	IEEE 802.11b/g
08. BLUETOOTH	2.0 + EDR
09. BATTERY	4000mah rechargeable polymer lithium
10. AUDIO	Speaker 1, miv 1, earphone 1
10. DIMENSIONS	156 x 72 x 31
11. NET WEIGHT	290 gr
12. STANDART	Charger, Rechargeable batery, usb cable, wrist rope, handwriting pen
13. BARCODE READER	
15. CAMERA	5 megapixel with auto focus and flashlight
16. INFRARED	
17. GPS	
18. 3G	WCDMA 3G
19. APP	FREEDOM III

## ADVANTAGES

01. EASY TO CONFIGURE ALL DEVICES
02. EASY TO GET INFORMATION FROM ALL DEVICES
03. LIGHT TO HANDLE AND EASY TO OPERATE
04. WIFI, BLUETOOTH, INFRARED CONECTIONS
05. NO NEED FOR A PC OR DEDICATED SERVER
06. NO NEED TO HAVE CONECTION WITH AN EXTERNAL SERVER
07. COMPLETE INTERACTION WITH ALL DEVICES



# HUB

## TECHNICAL DATA

- 01. 5X6-WAY TO COMM PORTS
- 02. DIMENSIONS: 130X35 MM
- 03. AUTOMOTIVE ABS

## ADVANTAGES

- 01. GLOW IN THE DARK STRUCTURE
- 02. EASY TO INSTALL
- 03. FITS ALL DEVICES (MASTER, SENSORS)
- 04. 4 DIFFERENT WAYS FOR INSTALATION
- 05. EASY TO REMOVE

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# CONDUIT

## TECHNICAL DATA

- 01. AWG 18 WIRING PURE COOPER
- 02. AWG 22 WIRING PURE COOPER
- 03. EXTENDABLE DIMENSIONS:
  - 600 - 1000 MM
  - 1000 - 1800 MM
  - 1800 - 3200 MM
- 04. AUTOMOTIVE ABS FLEXIBLE JOINTS
- 05. POWDER COATED PURE ALUMINIUM PIPES

## ADVANTAGES

- 01. FLEXIBLE WIRING INSIDE THE CONDUIT
- 02. WIRE PROTECTION
- 03. 360 DEGREES MOVEMENTS
- 04. ACCIDENT PROOF
- 05. ONE PERSON REQUIRED TO INSTALL
- 06. ADJUSTABLE LENGTH
- 07. POWDER COATED PAINTED ALUMINIUM
- 08. PRECISE POSITIONING OF SENSORS
- 09. EASIER TO PREPARE QUOTES
- 10. EXACT NUMBER OF PARTS REQUIRED
- 11. NO MISTAKE ON QUOTING

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# MASTER

## TECHNICAL DATA

01. MOUNTING	4 PORT HUB AND ABS CASE
02. EXTENDED MEMORY	MICRO SC (TF) 32G AT MOST
03. DIMENSIONS	130 X 20 MM
04. WEIGHT	180 GR / FULLY ASSEMBLED ON HUB
05. CONTROLS	UP TO 250 SENSORS UP TO 250 SIGNAGES CAN BE CLONED TO CONECT MORE SIGNAGES
06. COMUNICATION SPEED	100 MILLISECONDS
07. WORKING CONDITIONS	-40 + 80 C
08. CURRENT	5V 0,25A
09. CONSUMPTION	2W
10. OPTIONAL	THERMOMETER / HUMIDITY CONTROL
11. MICRO STATUS LED	1 GREEN / 1 RED / 1 ORANGE / 1 BLUE
12. COMPLIANCE	ROHS
13. CONECTIONS	WIFI

## ADVANTAGES

01. CONTROLS UP TO 250 SENSORS
02. SIGNAGES UPTADE IN 100 MILLISECONDS
03. EASY TO CONFIGURE
04. CONECTS TO WIFI WITH LOGIN AND PASSWORD
05. UNIQUE CONTROLLER TO THE SYSTEM
06. UPDATES SIGNAGES WITH CABLE OR WIFI
07. INSTALLED IN THE SAME LEVEL AS SENSORS AND SIGNAGES
08. USED ON SMALL, MEDIUM OR BIG INSTALLATIONS
09. REDUCED COST FOR INSTALLATION
10. NO NEED PC OR SERVER
11. MICROCOMPUTER / MICROCONTROLLER
12. AVOIDS SAME CODING ON DEVICES
13. ELIMINATES SENSORS NOT WORKING AUTOMATICALLY
14. CODING ALLOWS EXPANDING INTO THE SAME OR DIFERENT LEVEL

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# SENSOR

## TECHNICAL DATA

01. MOUNTING	4 PORT HUB/2 PORT HU AND ABS CASE
02. DIMENSIONS	130 X 45 MM / 130 X 75 MM
03. WEIGHT	250 GR / FULLY ASSEMBLED ON HUB
04. CONTROLS	CAN BE CONECTED TO STREET LED
05. COMUNICATION SPEED	100 MILLISECONDS
06. WORKING CONDITIONS	-40 + 80 C
07. CURRENT	5V 0,25A
08. CONSUMPTION	RED LED 70 MA GREEN LED 58 MA BLUE LED 58 MA WHITE LED 136 MA
09. OPTIONAL	THERMOMETER / HUMIDITY CONTROL
10. MICRO STATUS LED	1 GREEN / 1 RED / 1 ORANGE / 1 BLUE
11. COMPLIANCE	ROHS
12. DETECTION	5 METERS
13. CODING	NON SEQUENTIAL 1 TO 250 ZONE NUMBER BAY NUMBER

## ADVANTAGES

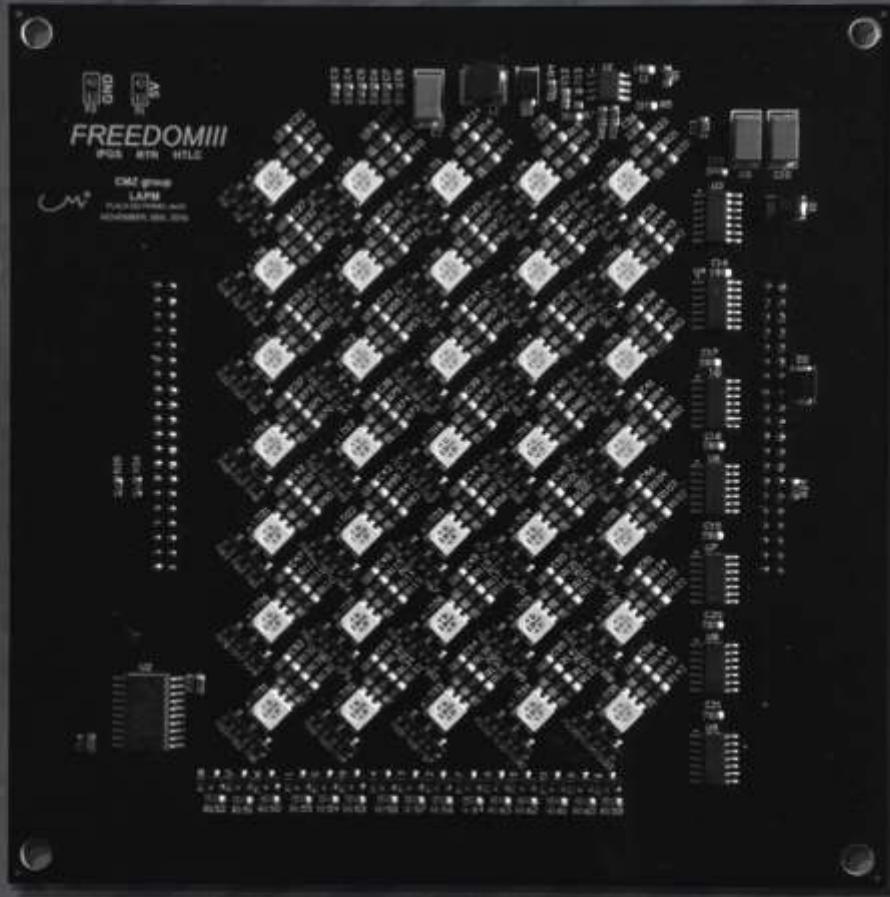
01. 100 MILLISECONDS COMUNICATION
02. RGB ULTRA BRIGHT LEDS
03. EASY TO INSTALL
04. EASY TO CONFIGURE
05. 5 DIFERENT CALIBRATION SETTINGS
06. SAME CODE PREVENTION SETTINGS
07. HEALTH STATUS
08. STABILITY CONTROL
09. DEBOUNCE CALIBRATION
10. GLOW IN THE DARK CASE

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# DIGIT



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## TECHNICAL DATA

01. MOUNTING	ADJUSTABLE TO ANY CASE + DIGIT CONTROLLER
02. DIMENSIONS	150 X 150 MM
03. WEIGHT	150 GR EACH DIGIT
04. LEDS	35 ULTRA BRIGHT SMD RGD LEDS
05. WAVELENGHT COLOURS	RED 620 NM GREEN 520 NM BLUE 455 NM
06. WORKING CONDITIONS	-40 + 80 C
07. CURRENT	5V 0,25A
08. CONSUMPTION	RED LED 70 MA GREEN LED 58 MA BLUE LED 58 MA WHITE LED 136 MA
09. COMMUNICATION	DIGIT CONTROLLER + MASTER
09. CABLING	FLAT CABLE 150 MM DIRECTLY TO ANOTHER DIGIT



**SINGLE**



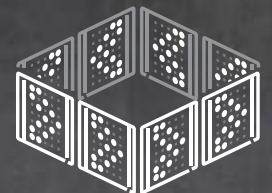
**GROUP**



**CURVED**



**CUBE**



**SQUARE / RECTANGULAR**



**ROUND**

## ADVANTAGES

01. UP TO 6 DIFERENT FLIPS
02. TIME CONTROLLED MESSAGES
03. ASSEMBLED WITH AS MANY DIGITS DESIRED
04. DIFERENT SHAPES AND COMPOSITIONS
05. MESSAGE SPEED CONFIGURABLE
06. ASSEMBLED IN DIFERENT TYPES OF CASES
07. CAN BE INSTALLED IN ANY POSITION ON THE SENSOR LINE
08. STAND ALONE WITH MASTER
09. EASY TO CONFIGURE USING HANDHELD
10. DAMAGED LED DIGIT EASILY REPLACED



# CONNECTIONS

## ADVANTAGES

FREEDOM 3 STRUCTURE AND FLEXIBLE CONNECTIONS ALLOWS THE PRECISE POSITIONING OF SENSORS, MASTERS, HUBS AND TOTALLY ADJUSTABLE TO GET AROUND EXISTING STRUCTURES WITHOUT THE HASSLE OF CUTTING CABLE TRAYS.

THE ABILITY TO PROVIDE ACCURATE QUOTATIONS, THEREBY ELIMINATING THE NEED FOR ADDITIONAL HARDWARE WHEN DOING THE INSTALLATION, AS NORMALLY OCCURS WHEN WORKING WITH OTHER SYSTEMS.

FREEDOM 3 MEANS ONE THING: **FREEDOM**



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**4 WAY HUB ALLOWS ANY DIRECTION AND ANY KIND OF INSTALLATION.**

**FREEDOM 3 MEANS ONE THING:  
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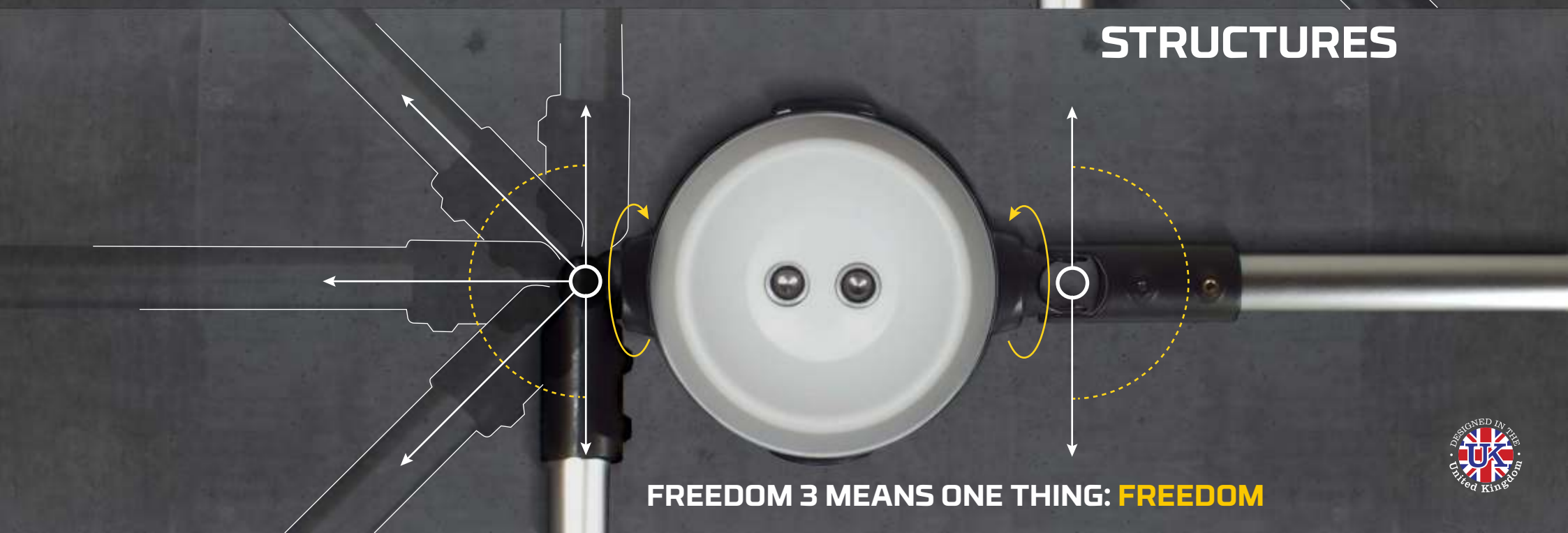


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**FREEDOM TO EASILY GET AROUND OTHER**

**STRUCTURES**



**FREEDOM 3 MEANS ONE THING: FREEDOM**





# INSTALLATION

## ADVANTAGES

INDEPENDENTLY INSTALLED IN EACH AND EVERY LEVEL OF THE PARKING LOT.  
NO NEED TO HAVE A PC OR SERVER INSTALLED.  
IS THE FASTEST INSTALLATION IN THE WORLD, REQUIRING ONLY 5 PEOPLE TO  
INSTALL 1000 BAYS IN 24 HOURS.

NO NEED TO HAVE ZONE CONTROLLERS, DATA CONCENTRATORS, SPECIAL  
CABLES, HEAVY METALLIC CABLE TRAYS, SPECIAL NETWORK, AND ALL THE  
OTHER DEVICES THAT COMPETITORS REQUIRE TO INSTALL SIMILAR SYSTEMS.

TOTALLY FLEXIBLE ALLOWS INCREASING OR DECREASING DEVICES EASILY  
IN EACH LEVEL IN CASE OF FUTURE IMPROVEMENTS OF THE PARKING LOT.

FREEDOM 3 MEANS: **FREEDOM**



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INSTALLATION PROCESS IS THE SIMPLER,  
FASTER AND BETTER IN THE WORLD

1



### STEPS:

ABS PART G ON CEILING  
THREADED BAR  
ADJUST SIZE  
ALIGNMENT  
ABS PART G AT THE BAR'S END

TRAINED TEAM OF TWO PEOPLE



**60** SEC.  
OR LESS

2



### STEPS:

SENSOR AND HUB ON PART G  
MASTER AND HUB ON PART G  
HUB ON PART G

TRAINED TEAM OF  
TWO PEOPLE



**60** SEC.  
OR LESS

3



### STEPS:

CONDUIT SIDE 1 INTO HUB  
CONDUIT SIDE 2 INTO HUB  
CONFIGURE MASTER  
CONFIGURE SENSOR  
CONFIGURE SIGNAGE

TRAINED TEAM OF  
THREE PEOPLE



**60** SEC.  
OR LESS



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# CASES

ALL OF OUR CUSTOMERS AGREE ON ONE THING:

«NOW WE KNOW WHAT **FREEDOM** MEANS»

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# ® FREEDOM

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62 K 16 VAGAS 61 34 VAGAS

↑ clique retire

GROUP





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# DASHBOARD

## ADVANTAGES

EASY TO CONFIGURE DASHBOARD MANAGES ALL THE PARKING LOT  
WITHIN MINUTES OF CONFIGURATION.

EASY TO CONFIGURE DEVICES ON FLOORPLANS.

EASY ACCESS TO INFORMATION.

FREEDOM 3 MEANS: **FREEDOM**



## WEB DASHBOARD

LIMITED ACCESS TO DIFFERENT  
LOGIN NAMES

## WEB ADMIN

EASY TO CONFIGURE EVERY  
PART OF THE SYSTEM

ALLOWS DIFFERENT  
PARKING LOTS INSIDE THE  
SAME COMPANY

EASY TO CONFIGURE  
DIFFERENT LOGIN  
PROFILES

## WEB STATES

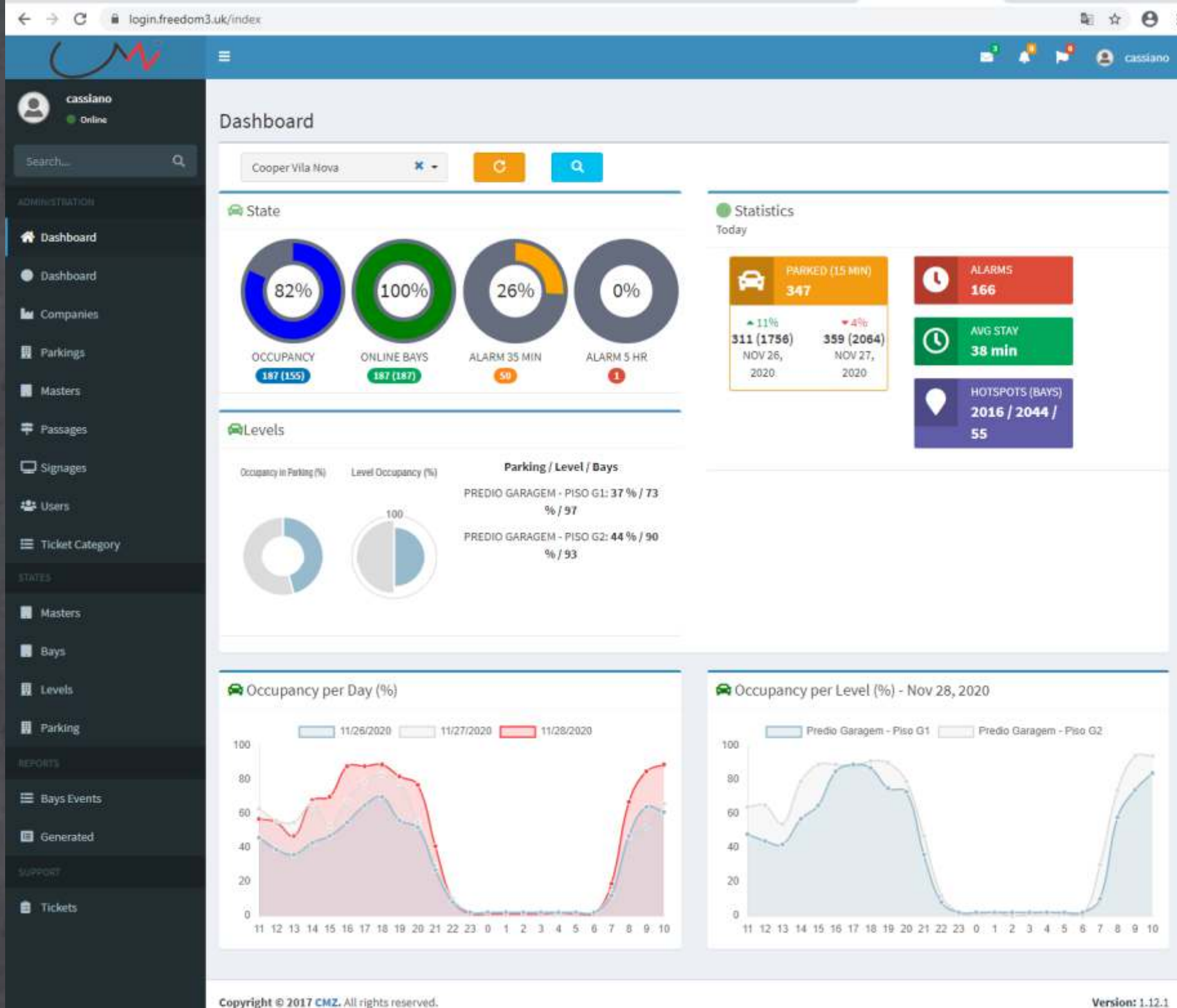
MONITORS ALL THE DEVICES  
AND EASY TO CONFIGURE  
REMOTELY

## WEB REPORTS

EASY TO CHECK FOR ALL  
TYPES OF REPORTS AND  
DATA COLLECTED

## WEB SUPPORT

ALLOWS MANAGERS AND  
OPERATORS TO REQUEST  
FOR ASSISTANCE  
AND FOLLOW THE UPDATES



## PARKING STATE

EASILY CONFIGURED WITH ALL  
DEVICES ON THE FLOORPLAN

ALLOWS MANAGERS AND  
OPERATORS TO SEE IN REAL  
TIME ALL DEVICES AND ALL  
THE INFORMATION FROM  
ANY PARKING LOT

ALLOWS REMOTE CONTROLL  
OF ALL DEVICES

EASILY IDENTIFIES PARKED  
CARS EXCEEDING PARKING  
LIMITS AND MUCH MORE

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REPORTS

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SUPPORT

- Tickets

### Parking State

Cooper Vila Nova Predio Garagem Piso G1

Select Bay Select Master Select Signage

ENTRADA RUA ALM. BARROSO

ACESSO ALQA

SAIDA PATIO EXTERNO

SAIDA

G1

COOPER VILA NOVA  
BLUMENAU - SC

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## PARKING STATE

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REPORTS

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- Generated

SUPPORT

- Tickets

### Parking State

Cooper Vila Nova x Predio Garagem x Piso G2

Select Bay Select Master Select Signage

Q Q Q

The floorplan diagram illustrates the layout of the Cooper Vila Nova parking lot. It features multiple rows of parking bays, each represented by a red dot indicating a parked vehicle. Key areas are labeled in red, including 'ACESSO ALGAR' (Access to Algar), 'PARE' (Stop), 'VAGAS APP'S' (App's Spaces), and 'SADA / ENTRADAS' (Exit / Entrances). The diagram also shows various access points, barriers, and directional arrows for vehicle flow.

G2

COOPER VILA NOVA  
BLUMENAU - SC  
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# YOU DESERVE FREEDOM



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