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partron ESL
InforTab Infinite Fully
Integrated Store
Management Solution

partron ESL InforTab Infinite Fully Integrated Store Management Solution User Manual

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GENERAL DESCRIPTION

- InforTab Infinite is a fully integrated Store Management Solution comprised of electronic shelf labels, advanced digital signage, inventory and environment management sensors, and asset tracking.
- They were designed to enrich shoppers'' shopping journeys as well as to assist store operators in their job.

InforTab

- InforTab shows product and price information, transferred from a server via a gateway. The display on InforTab can be easily designed and configured by using the PARTRON ESL InforTab software.
- Displays can include special information such as stock status, special discounts, barcodes, graphics, and other relevant data. All InforTabs have batteries, small "coin cells".
- InforTabs consume battery power only when they update information during communication with the server.
- When they are not communicating with the server, InforTabs are normally in sleep mode and consume much less power, even though they are showing information on their displays.

Gateway

- The gateway relays information from the server to InforTabs and collects battery status, fault notifications and network activity data.

Server

- The ESL server connects the ESL system with the back-office system and communicates with gateways.
- There are two types of server: local and central. Local servers are located in a store and control its gateways, while central servers are normally located in data centers and control gateways for all stores.

Specification

This section details the specification of each InforTab INFINITE by size.

Product Specification

Dimensions (mm)	IE213 : 67.8 x 33.9 x 11.7
Weight	IE213 : 31.7g
Bezel Color	White, Black
Display technology	Full graphic E-ink display
Active display area (mm)	IE213 : 48.6 x 23.7
Resolution (pixels)	IE213 : 250 x 122
Pixel density	IE213 : 130 dpi
Viewing angle	Nearly 180°
Usable pages	Up to 7 pages
Operating Temperature	0 ~ 40℃
Battery (3V LI-MN dioxide soft pack battery)	IE213 : 1EA
Encryption	RAINUS protocol + compress
Water resistance	IP67
NFC	Yes, operating frequency 13.56MHz(Passive Tag.)
LED	Max 7 Color
ESL operating frequency	2.405 ~ 2.480 GHz
Wireless firmware update	Yes

InforTab – Ready Preparation

Connect InforTap UI

1. Plug in Gateway with power cable, and connect to PC by LAN cable. If all of these connected properly, Red, Green, and Blue lights will go on.
2. Run the internet browser in PC, and write the Gateway fixed IP (192.168.220.236) on the address bar.
3. If connected properly, the InforTab UI screen will appear.
4. Change Password in Menu 'Account Setting'. The initial ID is 'admin,' and the password is '1234'.

InforTab-Ready Preparation

InforTab Assign
InforTab and specific product work together to show the product information. This system is operated by the 'Assign' process.

Assign confirmatory

InforTab-Ready's 4 InforTabs are already assigned.

- The assigned InforTap in Gateway can be verified by 'Status > Tag' in UI.

InforTap Mac Address check

- InforTab Mac address is displayed as barcode when you press '>' or '<' buttons of remote controller in front of tag.
- Delete 2 digits and leave 4 digits from the back in order to search the Mac address in UI.

For further explanation, if Mac address is '78E980FFFE004C4B', it can be searched by '004C'.

InfoTab Update

Confirm InfoTab Layout

- InforTap Layout can be found at the 'Product Update' menu.
- Layout is the location of information and design, which shows in tag display. It can be adjusted in 'Layout Designer'.
- We provide a 'Layout Designer Manual' in addition,n which guides how to use 'Layout Designer'.

Product information Update

Product Update window is as pictured below.

1. Choose the proper Layout and put appropriate InforTab information.
2. Check the square box in the right side and click 'Update' at the bottom of page.

3. Press 'Okay' to confirm the procedure.

Confirm InfoTab Update Result

After the update, the page automatically moves to the 'Task' menu in UI, and it is available to check update status in real time.

InforTab update is generally completed in 5 minutes, but it can be delayed by network circumstances. To make InforTab update on purpose, Remote Conroller.

InforTab De-Assign, Re-Assign

InforTab De-Assign

'De-Assign' is the process that de-assigns InforTab and product from Gateway. De-assigned InforTab cannot be updated unless re-assigned it back.

For de-assignment, select the 'Status > Tag' menu in UI and press 'De-assign'.

InforTab Re-Assign

If you need to update it, 'Re-Assign' work is required. Choose 'Status > Tag' Menu in UI and click 'Assign'.

After clicking the 'Assign' button, write down the InforTab Mac address and product code. Then press the 'Save' to make the procedure complete.

Appendix

Wireless Network Circumstance

- InforTap system uses two channels of wireless 2.4GHz so that it can affect updating speed of InforTab according to wireless network environment.

Wireless Channel

- According to wireless circumstance, the InforTab system may not be operated properly by influence with other wireless instruments. In this case, changing channel is required. In order to change channel, click the 'Gateway Config' menu in UI and press the 'Setting' Icon in the right side of the page.

Date channel, Event channel are composited with 11~26 channels.. Begin with 11 channels and go up until you find a proper one. Press the 'Save' button to confirm the channel.

FCC statements

Compliance Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, according to part

15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operation in conjunction with any other antenna or transmitter.This equipment complies with FCC

- **FCC ID**: 2BKXU-IE213

Documents / Resources

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References

- **[User Manual](#)**