



InforTab INFINITE

## **User Manual**

## 1. 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.

## 2. Specification

This section details specification of each InforTab INFINITE by size.

### 2-1. Product Specification

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

### **3. 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 internet browser in PC, and write Gateway fixed IP (192.168.220.236) on address bar.
- 3** If connected properly, InforTab UI screen will appear.
- 4** Change Password in Menu 'Account Setting'. Initial ID is 'admin' and password is '1234'.

## 1. InforTab-Ready Preparation

### 1-3 InforTab Assign

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

#### ■ Assign confirmatory

InforTab-Ready's 4 InforTabs are already assigned.

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 Mac address in UI.

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

## 2. InfoTab Update

### 2-1 Confirm InfoTab Layout

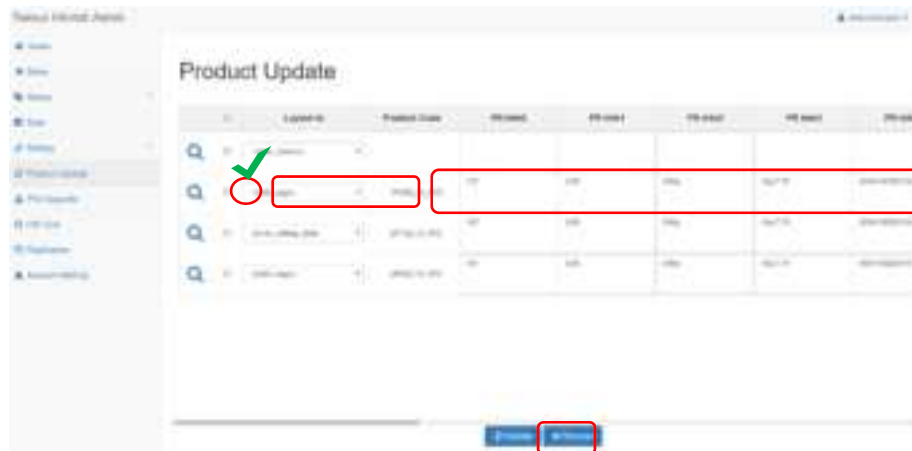
InforTap Layout can be found at 'Product Update' menu.

Layout is location of information and design which shows in tag display. It can be adjusted in 'Layout Designer'.

We provide 'Layout Designer Manual' in addition which guides how to use 'Layout Designer'.

## 2-2 Product information Update

Product Update window is as below picture.



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



- 3 Press 'Okay' to confirm the procedure.

## 2-3 Confirm InfoTab Update Result

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

Task ID	Task Code	Operation	Progress	Start Time	End Time	Status
10000001	000001	Update	100%	2020-01-01 10:00:00	2020-01-01 10:05:00	Success
10000002	000002	Update	100%	2020-01-01 10:05:00	2020-01-01 10:10:00	Success
10000003	000003	Update	100%	2020-01-01 10:10:00	2020-01-01 10:15:00	Success
10000004	000004	Update	100%	2020-01-01 10:15:00	2020-01-01 10:20:00	Success
10000005	000005	Update	100%	2020-01-01 10:20:00	2020-01-01 10:25:00	Success
10000006	000006	Update	100%	2020-01-01 10:25:00	2020-01-01 10:30:00	Success
10000007	000007	Update	100%	2020-01-01 10:30:00	2020-01-01 10:35:00	Success
10000008	000008	Update	100%	2020-01-01 10:35:00	2020-01-01 10:40:00	Success
10000009	000009	Update	100%	2020-01-01 10:40:00	2020-01-01 10:45:00	Success
10000010	000010	Update	100%	2020-01-01 10:45:00	2020-01-01 10:50:00	Success

InforTab update generally completes in 5 minutes, but time it can be delayed by network circumstance.

To make InforTab update on purpose, Remote Controller.



After flicker light, update process will be operated when press the 'R' button of remote controller.

## 3. InforTab De-Assign, Re-Assign

### 3-1 InforTab De-Assign

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



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

### 3-2 InforTab Re-Assign

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



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

## 4. Appendix

### 4-1 Wireless Network Circumstance

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

#### ■ Wireless Channel

According to wireless circumstance, 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 'Gateway Config' menu in UI and press 'Setting' Icon in right side of the page.



## Gateway Config

Gateway Config Interface

Gateway MAC: TS3C1F301421

Store Code: 00001

GW Index: 0

IP Address: 192.168.0.100

Network: 255.255.255.0

Default GW: 192.168.0.1

DNS IP: 203.254.202.2

ESL Server IP: localhost

ESL Server Port: 80

Data Channel: 10

Event Channel: 14

Radio Power: 100

CP Mode: Auto

Channel Mask: 12

Radio Band: 250

SMP Version: 2.1.1

QRMP Version: 4

Note: Radio scanning

Save Cancel

Date channel, Event channel are composited with 11~26 channels..

Begin with 11 channel and go up until finding a proper one.

Press 'Save' button to confirm the channel.

## 5. 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, pursuant 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**