



FINETAG

Smart Labeling

FINETAG ESL SYSTEM

In dynamic pricing, cost is incurred depending on the number of stock-keeping units with price changes. To change the price tag of thousands of products one by one in person, you need a lot of time and money, and it is not even accurate. Finetag, an electronic shelf label system, can be the solution.



Innovative information management solution that satisfies both system users and end users utilizing our IoT.

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FINETAG ESL SOFTWARE



ESL Server Platform

Local Server

The Local ESL server is appropriate for small to medium business size sites of any retail stores, grocery stores, pharmacy and supermarket chains. And it is installed on site of each local location.

Central Server

The Central ESL server is appropriate for larger sized retail stores of many chains and installed at the headquarter location. And, it manages all the tags in the branches or chain stores from this central location.

Cloud Server

The Cloud server is efficient for business of any number of chain stores with small number of items for tags to manage on a fee based agreement for the service. Just APs and TAGs are installed at the chain stores and the cloud ESL server manages the tags online remotely.



POS System Integration

Store POS System can be connected by various methods through HTTPS Open API, FTP File Upload, Excel File Copy, etc. What store managers need to do is just changing the price on POS Program.



Features of TAG

High speed

Built-in Wireless Network Load-balancing Algorithm, Packet Compression Algorithm, etc. enables a large number of tag displays to be changed at a high speed without any buffering or delay.

Easy Installation

Once you wake the TAG, it finds the most optimized AP system according to the built-in innovative Negotiation Algorithm Optimized, and is automatically registered on ESL server.

OTA Update

Through OTA (over the air) Update function, firmware can be upgraded without influencing the price display.



Monitoring

Our system comes with web-based monitoring program. It is compatible with all the latest browsers including Chrome, Firefox, Opera, Safari, etc. The store manager can monitor ESL tag status not only by the PC but also through various devices such as smart phone, tablet, Android PDA, etc.



TAG Designer

You can easily design TAG display by using Drag-and-drop method.



Network Protocol

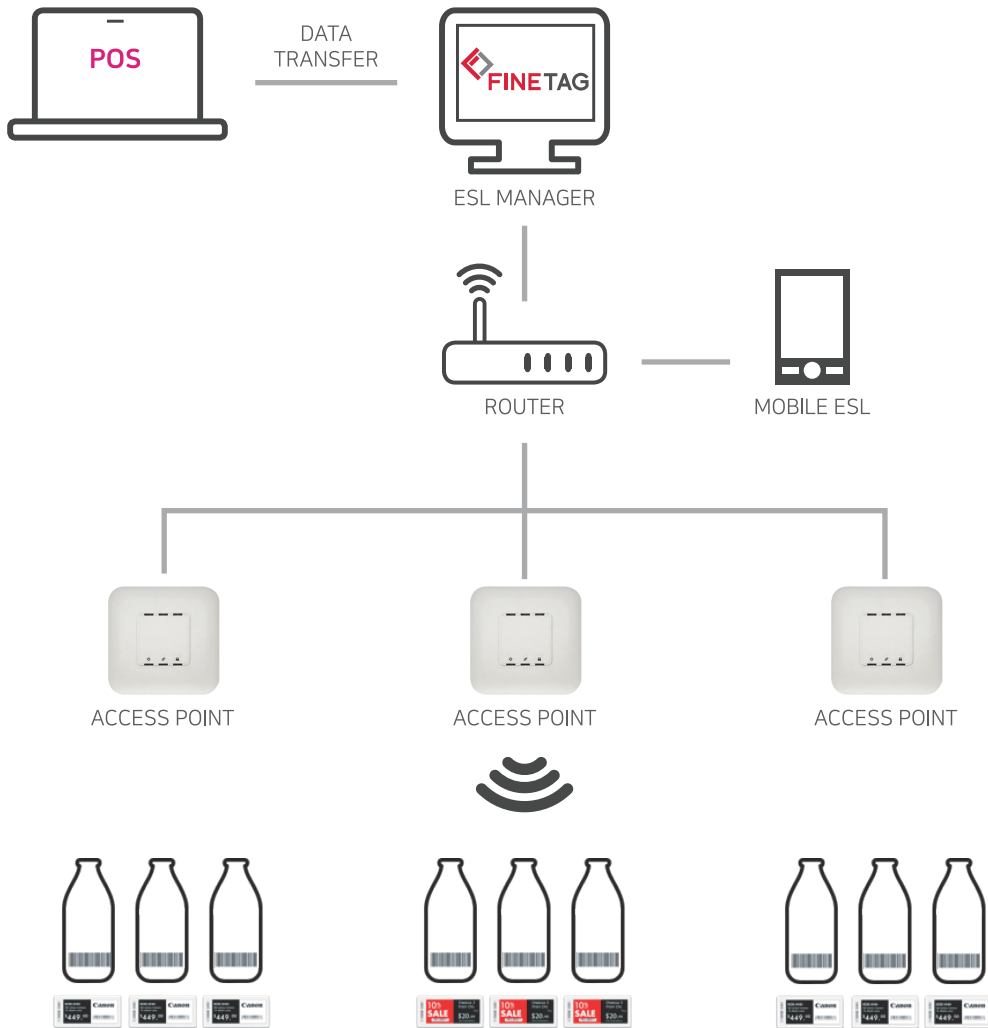
ZigBee 2.4 GHz Wireless Protocol is used between the AP and the TAG. Ethernet Network based TCP/IP Protocol is used between the AP and the ESL server. HTTPS Protocol is used between the ESL server and the monitoring program.

Replace the paper price tag of displayed items with FINETAG electronic tags, and transfer the product information on POS to Electronic Tags via Access Point, then product information is updated quickly and automatically. With this FINETAG electronic shelf label system, you can realize dynamic pricing, no worries about cost.





SYSTEM CONFIGURATION



ESL SYSTEM BENEFIT



Accurate pricing and improved operational efficiency through system automation



Improving profit by reducing costs



Accurate product information and a wide range of consumer convenience



High-efficiency energy-enabled solutions



High-Tech, Software Driven Converged Systems



PRODUCT INFORMATION

General Type	FNT16	FNT22	FNT29	FNT42	FNT58	FNT75
Display Type	e-Paper 1.6" Matrix	e-Paper 2.2" Matrix	e-Paper 2.9" Matrix	e-Paper 4.2" Matrix	e-Paper 5.8" Matrix	e-Paper 7.5" Matrix
Display Demension(mm)	27.51 x 27.51	48.55 x 23.71	66.90 x 29.06	84.80 x 63.60	118.80 x 88.26	163.20 x 97.92
Product dimension(mm)	36.6 x 43.2 x 12.4	65.1 x 34 x 12.4	84.9 x 41.5 x 12.4	95.8 x 82.9 x 13.2	130.2 x 105.4 x 13.2	117.1 x 175 x 13.2
Display Resolution (pixel / dpi)	152 x 152 / 140	212 x 104 / 110	296 x 128 / 112	400 x 300 / 120	600 x 448 / 128	640 x 384 / 100
Power(Coin Battery)	CR2450 x 1	CR2450 x 2	CR2450 x 2	CR2450 x 3	CR2450 x 4	CR2450 x 4
Weight(g)	12.3	18.3	27.3	68.9	124.6	184
Display Color	B/W, B/W/R, B/W/Y					
Wireless Communication	IEEE 802.15.4 Based on 2.4GHz ISM Band, Data Rate: 250Kbps, Service Area : Radius Max. 30m (Line of Sight)					
Maximum Transmit Power	2.4GHz - 802.15.4 (Zigbee) 10 dBm (10mW)					
Certification	FCC, KC, CE					
ROHS	ROHS Compliance					
Battery Life	4 Years @Room Temperature (1 update/Day)					
Operating Temperature	B/W : 0°C ~ 50°C / 32°F~122°F B/W/R, B/W/Y : 5°C ~ 40°C / 41°F~104°F					

Mono						
BWR						
BWY						

Freezer Type	FNT22F	FNT29F
Display Type	e-Paper 2.2" Matrix	e-Paper 2.9" Matrix
Display Demension(mm)	48.55 x 23.71	66.90 x 29.06
Product dimension(mm)	65.1 x 34 x 12.4	84.9 x 41.5 x 12.4
Display Resolution (pixel / dpi)	212 x 104 / 110	296 x 128 / 112
Power(Coin Battery)	CR2450 x 2	CR2450 x 2
Weight(g)	18.3	27.3
Display Color	B/W	
Wireless Communication	IEEE 802.15.4 Based on 2.4GHz ISM Band, Data Rate: 250Kbps, Service Area : Radius Max. 30m (Line of Sight)	
Maximum Transmit Power	2.4GHz - 802.15.4 (Zigbee) 10 dBm (10mW)	
Certification	FCC, KC, CE	
ROHS	ROHS Compliance	
Battery Life	1.5 Years @Freezer Temperature (1 update/Day)	
Operating Temperature	0°C ~ 40°C / 41°F~104°F	

Mono		
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