CUSTOMER : Standard

DATE   : 2020. 06. 22

REV   : Rev. 1.0

ÙÚÒÔ○○ÔŒ∇ΩJÞÙÁ∅UÜÁŒÚ\ÚÜUXŒŠÁ

REBE-TZ29L

T[å^¦Á	Úæ‡o∱˘{ à^¦Á	Ô˘•₵{^¦ÁÙÐÐÁ
GÈJÈÁÈEÔ[¸¦[¦ÁÑɾ¦æ}@&Á ŠÖÖÁ	ÜÒÓÒË∇ZGJŠÁ	ËÁ

RoHS
CompliantÁ

ŒŒÚ\ÚÜUXŒŠÁ	ÜÒTŒŠÜSÁ	ŒŒÚÚÒÞÖQⴸÁ

ÖÒÙ○ÞÒÖÁ	ÔPÒÔSÒÖÁ	ŒŒÚ\ÚÜUXÒÖÁ
GEGEÈÎÈFJÁ	GEGEÈÎÈFJÁ	GEGEÈÎÈ⅁GÁ
SÈÙÈĐÁ	PÈPÈPŒÐÁ	Œ⅂ŒÈSΩ¯Á

ÙÚÒÔⱧÔⱤŒⱮQJÞÁ			
TUÖÒŠÁ	ÜÒÓÒⱧⱫⱫGJŠÁ	ÜÒXꝈⱯⱭ[ꝈÁ	Ü^çꝈꝴFꝈÁ
ÜÒÕꝈꝴŒⱱⱮÒÁ	GₒGⱤꝈꝮꝈⱤGÁ	ÚⱭꝴÒÁ	GFÁ
ÜÒXꝈꝴŒⱱⱮÒÁ	GₒGⱤꝈꝮꝈⱤGÁ	ꝈÁ	ꝈÁ

Ü^çãꝣꝣ}ÁꝴꝴÁãȼ¦ˆÁ

Ü^çãꝣꝣ}Á	ÖⱭⱬ^Á	Ô[}ȼ^}ꝷÁꝴÁÜ^çãꝣꝣ}ÁÔ@ⱬ}*^Á	Ü^{ⱬꝴⱬ\Á
FꝈÁ	GₒGⱤꝈꝮꝈⱤGÁ	Øãꝴ•ꝴꝴÁ^|^ⱬⱬ^Á	PⱶⱶⱶPⱬⱬ}Á

VŒÉŠÒ`ÁÙ`ØÁÁÔUÞVÒÞVÙÁ

1. Application

2. Quality

3. Appearance and Characteristics

4. Overall Service Scenario

POS **Server** **ESL EMS**[1]

Y ã^åÁ

˝ Y ã2ãåÁÒc@^¦}^c
˝ OÒÒÒÌ€GËÍÌ
˝ GÊ€€Á̃•Á̧^¦ÁÕY

ÕŒÆVÒY Œ̈Á

˝ U}^ÁÚ|ænÒ¦{ ÁB
Q̧c^*¦æ^åÁÕÕæ^¸æ̂

Y ã^|^••ÁBÁÓæÉÓ ã^&ç]}æ¦Á
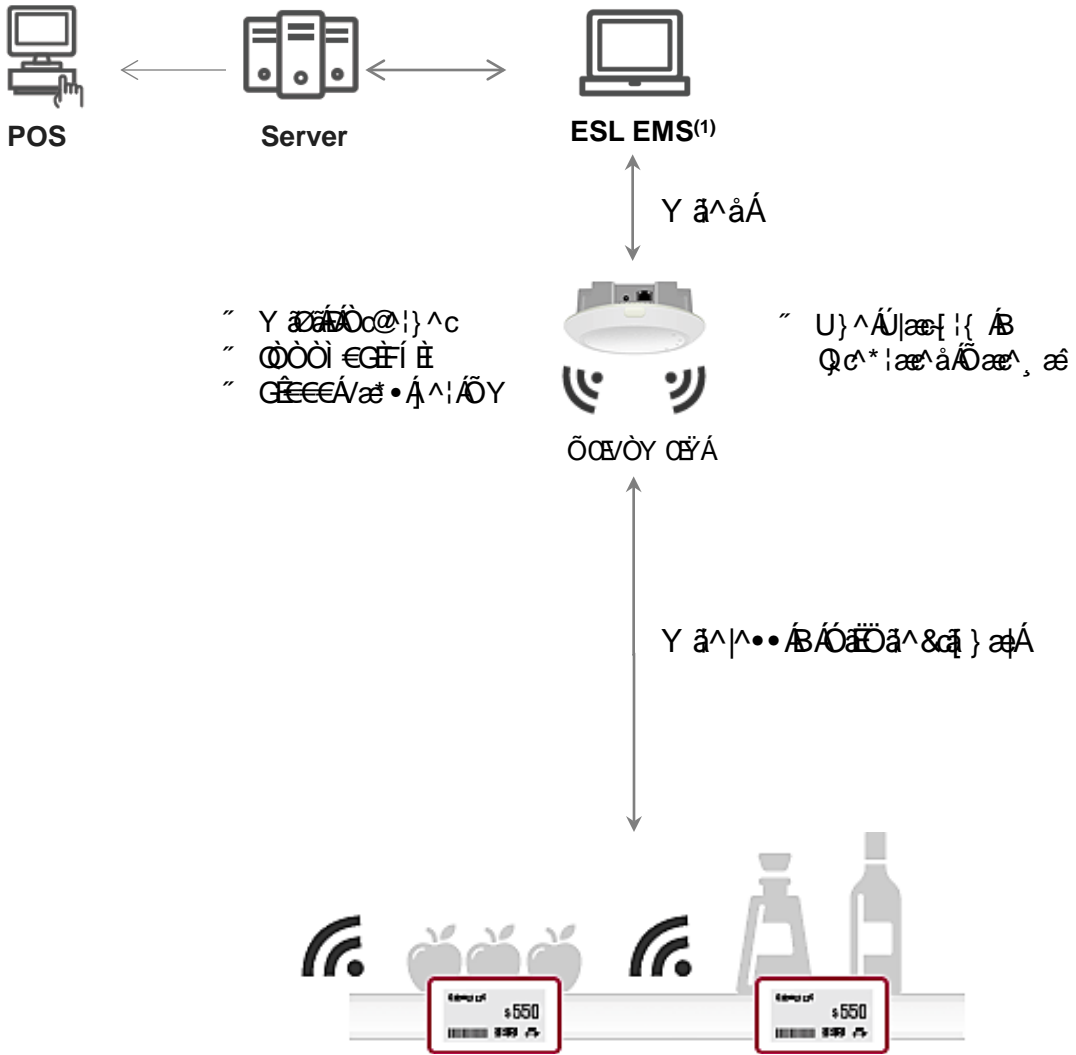
2.4GHz Wireless Tags
(Battery / Power Line)

ΦDÁÒT ÙÁͶÒÙŠÁ æ}ǣ^{ ^}cÁÙ[-c¸ æ̃^Á

5. General Features

Item		Description
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)		(illegible)
(illegible)	(illegible)	(illegible)
	(illegible)	(illegible)
	(illegible)	(illegible)
	(illegible)	(illegible)

[Notice] (illegible)

6. Absolute Maximum Rating

Î ÈÈ ÈÄÒ}çã[}{ ^}cæ¦ÄÔ[}åãã¦}•Á

Á ÁV@Á¦[¦{ æ¦Á]^¦æã}*Á çã[}{ ^}cæ¦&¦}åãã¦}•Áæ¦^Ác@•^Áæ•^Áæ^¦[¸ÈÈQÁ^¨&@¦&¦}åãã¦}•ÈÁÒÙŠÁ¨•o¦æ^¦å§Á
&¦}¦[¦ãc¦Áã¦@¦c@Á¦¦^•^}oÁ^&ãã8æã}V@&¦}¦[¦ãc¦Á^¨&@^¨¨ã{^}oÁ¨•o¦æ^&¦¦ãã8å&¦¦c@Á
{ æ)¨-æ&c¦^¦ÈÁ

Parameter	Condition	Min.	Typ.	Max.	Unit
ÁÙ]^¦æã}*ÄÒ}çã[}{ ^}c	V^{]^¦æ¦¦^Á	F€Á	GHÁ	H€Á	℃
	P¨{ ãããÁ	ÍÍÁ	ÍÍÁ	ÎÍÁ	Ã ÜPÁ
ÁÙ¦[¦æ^¨ÄÒ}çã[}{ ^}c	V^{]^¦æ¦¦^Á	€Á	GHÁ	I€Á	℃
	P¨{ ãããÁ	ÍÍÁ	ÍÍÁ	ÎÍÁ	Ã ÜPÁ

[Notice] ÁÇFDVæ¨&æ)Á^]^¦æ¦^Áæ•^Ác¦I€℃ÈÁÒ¨o¦}|^Áæ•¨¦^Ác@Á¨æ¦^Á¨æ¦ãã¦ ÄÒÚÖÁæ¦F€dH℃ÈÁ

ÇGDÖ^]^}åã}*Á|}Ác@Á&@æc¦æ&c¦¦ãc¦Ác@ ÄÒÚÖÈÁ¦å¦ æ¦Á^&¦{ ^Á^åå㣝@¦Áæ•ã}*Áã¦}^ÈÁ

ÇHDT [ãc¦¦^æ}åÁ¨ããÁ&æ)Áã¦æ¦ æ¨^Ác@Áæ¨æ)Áå^å¨&Á¦ã¦ã¦}^ÈÁ

Ç¦DÕ^cã}*Áæ¦|æ¨}^cæ&¦|•^Á¦@Ác@Áæ¨æ)Áã¦^Áå^*¦æå^åÁ@¦¦}{ æ)&È………
  Ç¸ã^¦^••Á&¦{ { ¨}ãcæã}ÈÁ^¦[c¨&¦}d¦[||^¦ÈÁc&DÁ

Ç¦DY@}Áç¦¦ã*Ác@Áæ¨æ)&È&@¦¦*^Áå¦¦æå¦ @ãc¦^&¦¦^^}æå¦ æ)¦æ)Ác@Á^¦]^¦Á
  c^{]^¦æ¦¦^Áæ}åÁ@{ ãããÈÁ

Ç¦DÅc^¦|^^&¦ã¦ã}*Ác@Á¦|¦å¨&ÈÁ¦@¦¨¦åÁ^Á¨åÁ¨æ•^•œæ¦|^åÁ ãc@Á HÁ{ }cæ@ÈÁ

Ç¦DV@Á㦦|¦æ̂¦|æ¨•Á¦æ̂å¦¦^æ¦)Á@}¦æ¦æ¦|]]^åÁ^¦¨¦{ ^åÁ¦æ¦@¦å¨-æ&¦ÈÁ
  Ç¦æ¨ã^¦^&¦Á¢c^¦|æ¦ã]æ&DÁ

Î ÈGÈÄÒ|^&c¦ã&æ¦ÄÔ[}åãã¦}•Á

ÁÁV@Á^]^¦æã}*Á|^&c¦ã&æ¦&¦}åãã¦}•Áæ•^Ác@•^Áæ•^Áæ^¦[¸ÈÈQÁ^¨&@¦&¦}åãã¦}•Ác@ ÄÒÙŠÁ¨•o¦æ^¦å§Á&¦}¦[¦ãc¦Á
¸ãc@¦&¦Á^¦^•^}oÁ^&ãã8æã}ÈÁÖCÆ|Á^}çã•¦•Áæ)Á¨æ¦ æ¨^åÁ¦}[¦}Ê]^¦æ¦åÁçç¦¦@ Á^&ãã8æã}Áæ•^Áæ^¦[¸ÈÈ……
ÁÁV@Á&¦}¦[¦ãc¦Á^¨&@^¨¨ã{^}oÁ^¨•o¦æ^¦å§Ác¦ã¦å&¦¦c@Á{ æ)¨-æ&c¦^¦ÈÁ

Parameter	Condition	Min	Typ.	Max	Unit
ÁÙ¨]]¦^ÁX[|cæ¨^Á	ÁÁÖÔÁÙ[¸^¦ÁÙ]]¦^Á	GÈÍÁ	HÈÍÁ	HÈÍÁ	XÁ
ÁÙ[¸^¦ÁÔ[}•¨{]cã}Á	ÁÁÖ Á¸ÈÍÊÆdHÈÍXÁ	ËÁ	ËÁ	F€€Á	{ ŒÁ
ÁÒÙÖÁÙ¦[c^&cã}Á	ÁÁÔãÄÔ[}åãã¦}ÁÖ Ù[¸^¦Í¦æ)Á	ÈÍÁ	ËÁ	ÉÍÁ	\XÁ

7. Electrical Specification

ÏÊÈEÄØÒÒÌ€GÈÍÈÈ

V@ÄÜÒÓÒÈVZGJŠÁˇ]][¦σÁØÒÒÌ€GÈÍÈÈ

7.2. General Specification

- ˝ ÙœœåæåÁKÁÜ}¦^ÁØÒÒÌ€GÈÍÈÈÁÜPŸ
- ˝ Ø¹^ˇˇ^}&^ÁÁGÍÍÁGÌ€MP:
- ˝ Ô@œ}}^¦^ÁÁFÎ ÔPÈÁTP:ÁÜ]œ&ā¡*D
- ˝ T[åˇ|œœ}ÁKÁÖÙÙÙEJÈÛÙÙS
- ˝ TœœEÄÖœœœÜœ^ÁKÁGÍ€Sà]•

7.3. Electrical Specification

- ˝ Ô@œ}}^¦Á[¸^¦Áå^}^å}Á¾œ&@K[ˇd^Á^*¦œœ}•ÁÒÝÈÈSÔÈ˝&D
- ˝ V@Á^•&d¾œ¾¡^]&ã¾œœ}Á¸@R@ªÁ@¸}ā¾[¸¾å¾Á¦ÁOEVÒÔÁDJVÁjc^¦}œ¾^}&ã¾œœ}È
- ˝ CE¦Á&œ¾]•^•Á^}^}å¾}}ˇ¦¦ˇ}åã¡*Á}çã¡}[{^}œÁå&¦¦}^}œÁ¾œœ{^}cÁ¾å&&^••Á[ã¡c

RF Performance					
Parameter	**Condition**	**Min**	**Typ**	**Max**	**Unit**
UˇdˇoÁÚ[¸^¦Á	ËÁ	ËGÌÁ	ËÁ	ËÁ	åÓ{Á
ÁÜ^&¾ã¡^¦ÁÜ}}•ãã¾çãˇÁ	ÁÚÒÜMFÃÁQÜ^ˇˇ¾ã^åÈÍåÓ{DÁ	˸ÍÁ	ËÁ	ËÁ	åÓ{Á
ÁTœœã¡ˇ{ÁQ]ˇoÁÚ^çç^¦Á	ÁÚÒÜMFÃÁQÜ^ˇˇ¾ã^åÈGåÓ{DÁ	ËÁ	ËÁ	ËGÁ	åÓ{Á
ÁØ¹^ˇˇ^}&^Á[¦^¦œ}&^Á	ÁÜ^ˇˇ¾ã^åÁTœœÈ±ÏÍ\P:Á	˸ÍÁ	ËÁ	ÏÍÁ	\P:Á
ÁÖ¦¦[¦ÁK^&d¦ÁTœᕡ}ãˇ¾å^Á	ÁÜ^ˇˇ¾ã^åÁTœœÈGGÃÁ	ËÁ	FÍÁ	GGÁ	ÃÁ

8. Mechanical Information

Ì È G Ì Ó æ œ ^ ¦ ^ Á Ö ã ^ } • ã }

FRONT SIDE

JVT1146-02

front side

30(+3/−3)

49~53

24.5~25

Lithium Battery 3V

CR2450-2P

PC:01/2016

5.2~5.8
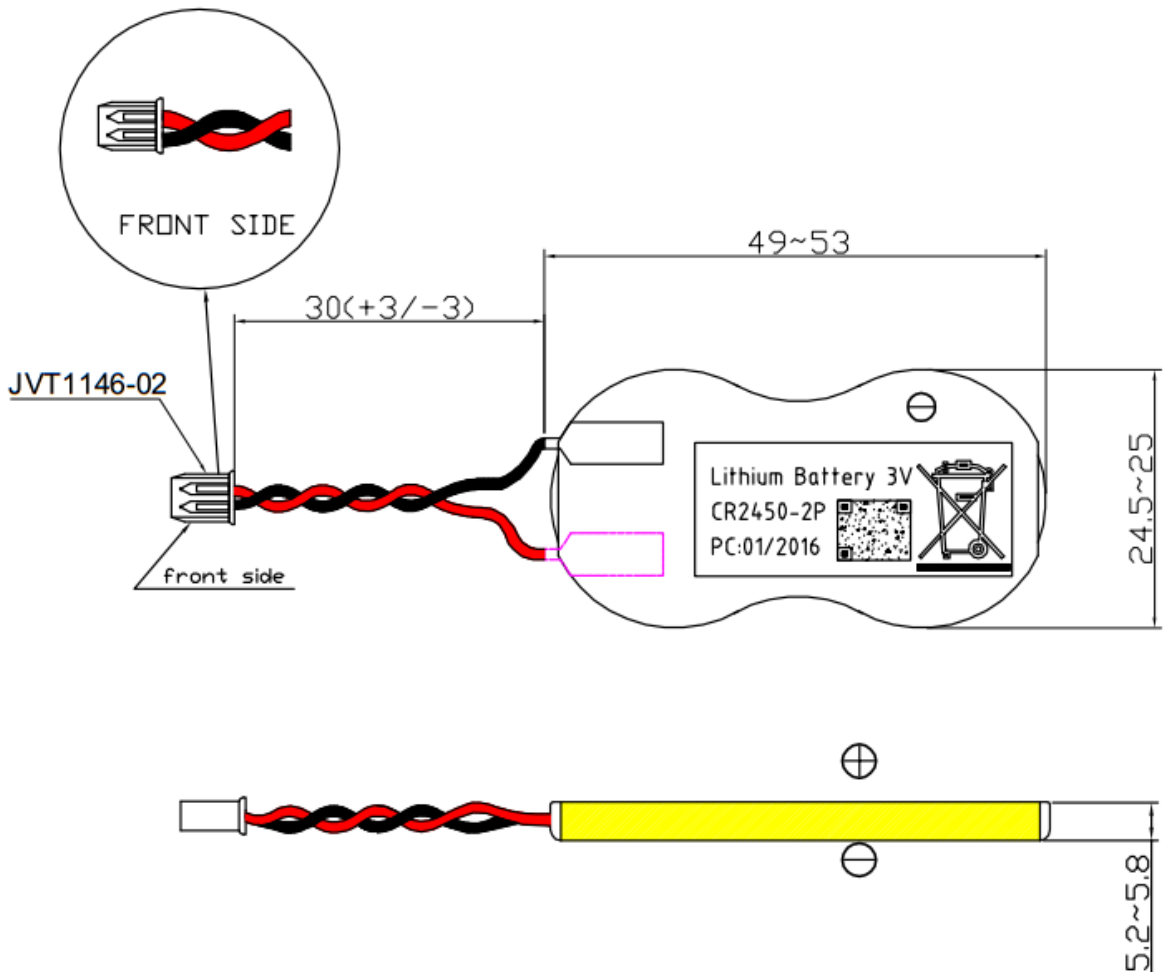
10. User Quick Manual

10.1. Tag Symbol Information

Symbol	Mode	Function	Image
⊂⏻⊃	Deep Sleep	Initial mode	
(antenna)	Connected	Connected to Gateway	
(antenna)	Disconnected	Disconnected to Gateway	
(battery)	Low Battery	Battery replacement alarm	
(antenna + battery)	Empty Battery	Battery discharged	
⊏⊐	Busy	Reading / writing / update	

[Notice]

* In this status of low battery, we can not ensure any normal operations.

* After change battery, the tag's display will be changed to normal status within next keep alive interval
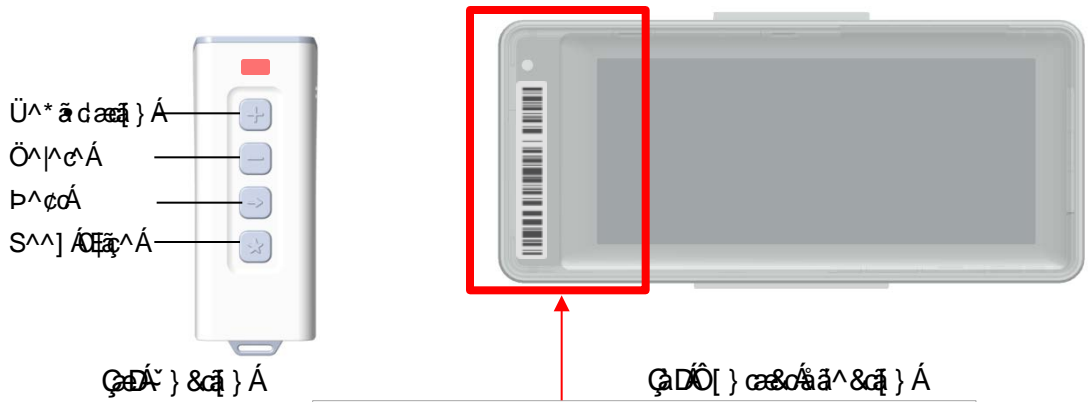
A remote controller or a NFC Device contact point for communication.

11. RoHS Compliance

ÁÁÜÒÓÒËVZGJŠÁå^çæX•Á ^^o&@Á^˘˘ã^{ ^}o•Á–Öã^&æç^ÁG€€GÐÍ ÐÔÁ–&@ÁÖ˘¦[ ]^æ}Á Úæ|ãæ{ ^}oæ@å Á–&@ÁÔ[˘}&ã|Á}&@ÁÜ^•dã&æ}Á–ÁPæ æ•å[˘•ÁÙ˘à•æ}&^ÁÜ[PÙÁ

13. Disclaimers

ĚĚ ATEC IOT ã Á [ơ ^ •] [} • ã | ^ Á [¦ Áæ) ˆ Á a æ { æ ˇ • Á &æ ˇ • ^ å Áa ˆ Áæ) ˆ Á æ & &ã ^ } ơ Á ¦ Á] ^ ¦ æ ã } æ Á
Á ^ } ç ã [} { ^ } ơ Á ¢ & ^ ^ å ã] * Á c @ Á æã • [ǐ c ^ Á æ æ ã ˇ { Áæ æ ã] * • Ě

ĚĚ Ô [} • ˇ | æ æ ã } Á ã c @ ATEC IOT ã Á ^ & [{ { ^ } å ^ å Á [¦ Á } æ • ˇ ¦ ^ å Á ^ } ç ã [} { ^ } ơ Á ¦ Á] ^ ¦ æ ã } • Á [Áæ æ ; ã Á
Á æ) ˆ Á [• • ã | ^ Á æ ˇ } & ã] • Á ¦ Áæ æ { æ ˇ ^ Á Á c @ Á ¦ [å ˇ & ơ Á Á ã \ Á Áã ^ Á ¦ Á @ æ ơ c @ Ě

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ĚĚ V @ Á ¦ [å ˇ & c Á } { å | { æ æ ã } Á &æ æ Á Áã ^ Á [å ã ã c å Áæ ã å Á] ¦ æ å ^ å Á ã c @ ǐ ơ Á ¦ ã [¦ Á [c ã & ^ Ě

ATEC IoT CO., LTD.

Model : REBE-TZGJL

Rated Voltage : 3 V

FCC ID : 2AZKWREBE-TZ29L

Made in CHINA

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a. Rule Part 15.19(a)(3): 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.

b. Rule Part 15.21: The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense