

Lite Series 1.54”

Model: YLTAG-0154/L **4 color is available**

Minimal display: suitable for accessories, pharmaceuticals, perfumery, hygiene and beauty



Specifications

Product Dimensions (mm*mm*mm)	53.5*38.8*15	
Active Display Area (mm*mm)	26.9x26.9	
Weight (g)	22	
Case Color	white	
Display Size (inch)	1.54	
Resolution (pixel)	200*200	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	<ol style="list-style-type: none"> 1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm 	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*375mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 18,000 labels per hour

Lite Series 2.13"

Model: YLTAG-0213/L **4 color is available**

Label with simple design. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	72.8*34.5*13	
Active Display Area (mm*mm)	48x23.1	
Weight (g)	33	
Case Color	white	
Display Size (inch)	2.13	
Resolution (pixel)	250*122	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 18,000 labels per hour

Lite Series 2.66"

Model: YLTAG-0266/L **4 color is available**

Label with simple design. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	90.8×42.9*13	
Active Display Area (mm*mm)	59.5x30	
Weight (g)	36	
Case Color	white	
Display Size (inch)	2.66	
Resolution (pixel)	296*152	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	<ol style="list-style-type: none"> 1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm 	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Lite Series 2.9"

Model: YLTAG-0290/L **4 color is available**

Label with simple design. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	90.8×42.9*13	
Active Display Area (mm*mm)	66x28.5	
Weight (g)	39	
Case Color	white	
Display Size (inch)	2.9	
Resolution (pixel)	296*128	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Lite Series 4.2”

Model: YLTAG-0420/L

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	106*86*14.1	
Active Display Area (mm*mm)	84x63	
Weight (g)	83	
Case Color	white	
Display Size (inch)	4.2	
Resolution (pixel)	400*300	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	3*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 9,000 labels per hour

Lite Series 7.5"

Model: YLTAG-0750/L

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	185*121*14	
Active Display Area (mm*mm)	162.6x97.3	
Weight (g)	201	
Case Color	white	
Display Size (inch)	7.5	
Resolution (pixel)	640*384	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	4*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 6,000 labels per hour

Slim Series 2.13"

Model: YLTAG-0213/S **4 color is available**

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	71*34.5*11.2	
Active Display Area (mm*mm)	48x23.1	
Weight (g)	32	
Case Color	White, black	
Display Size (inch)	2.13	
Resolution (pixel)	250*122	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 18,000 labels per hour

Slim Series 2.66"

Model: YLTAG-0266/S **4 color is available**

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	90.7×42.8×11.2	
Active Display Area (mm*mm)	59.5x30	
Weight (g)	38	
Case Color	White	
Display Size (inch)	2.66	
Resolution (pixel)	296*152	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	<ol style="list-style-type: none"> 1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm 	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Slim Series 2.9"

Model: YLTAG-0290/S **4 color is available**

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	90*42*11.2	
Active Display Area (mm*mm)	66x28.5	
Weight (g)	39	
Case Color	White, black	
Display Size (inch)	2.9	
Resolution (pixel)	296*128	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Slim Series 4.2"

Model: YLTAG-0420/S

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	118*83.8*11.2	
Active Display Area (mm*mm)	84x63	
Weight (g)	83	
Case Color	White, black	
Display Size (inch)	4.2	
Resolution (pixel)	400*300	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	3*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 9,000 labels per hour

Slim Series 7.5"

Model: YLTAG-0750/S

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	183*118*11.2	
Active Display Area (mm*mm)	162.6x97.3	
Weight (g)	201	
Case Color	white	
Display Size (inch)	7.5	
Resolution (pixel)	640*384	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	4*600mAh CR2450	
Changeable Battery	Battery Pack (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 6,000 labels per hour

Freezer Series 2.66"

Model: YLTAG-0266/F

Perfect to be used in freezers.



Specifications

Product Dimensions (mm*mm*mm)	85.9*41.9*9.1	
Active Display Area (mm*mm)	59.5x30	
Weight (g)	32	
Case Color	White	
Display Size (inch)	2.66	
Resolution (pixel)	296*152	
DPI	183	
Display color	Black and white	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	1200mAh Polymer battery	
Changeable Battery	Not Changeable	
Working Temperature (°C)	-20 C° to + 40 C°	
Working Humidity (%RH)	30~70	
Protection Level	IP67	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Rock Series 2.13"

Model: YLTAG-0213/R

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	71*34.5*11.2	
Active Display Area (mm*mm)	48x23.1	
Weight (g)	32	
Case Color	White, black	
Display Size (inch)	2.13	
Resolution (pixel)	250*122	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 18,000 labels per hour

Rock Series 2.9"

Model: YLTAG-0290/R

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	90*42*11.2	
Active Display Area (mm*mm)	66x28.5	
Weight (g)	39	
Case Color	White, black	
Display Size (inch)	2.9	
Resolution (pixel)	296*128	
DPI	183	
Display color	BWR, BWY, BWRV	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Rock Series 3.5"

Model: YLTAG-0350/R **4 color is available**

Slim design with protective cover. Perfect in every type of department.



Specifications

Product Dimensions (mm*mm*mm)	103.5×51×12.9	
Active Display Area (mm*mm)	79x38	
Weight (g)	68	
Case Color	White, black	
Display Size (inch)	3.5	
Resolution (pixel)	384*184	
DPI	183	
Display color	BWR, BWY, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	2*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 15,000 labels per hour

Rock Series 4.2”

Model: YLTAG-0420/R

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	101*88.5*12.9	
Active Display Area (mm*mm)	84x63	
Weight (g)	83	
Case Color	White, black	
Display Size (inch)	4.2	
Resolution (pixel)	400*300	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	3*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 9,000 labels per hour

Rock Series 5.83"

Model: YLTAG-0583/R

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

Product Dimensions (mm*mm*mm)	136*112*12.9	
Active Display Area (mm*mm)	119x88	
Weight (g)	105	
Case Color	White, black	
Display Size (inch)	5.83	
Resolution (pixel)	648*480	
DPI	183	
Display color	BWR, BWY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5 years (2 updates per day)	
Battery Spec	3*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 9,000 labels per hour

Rock Series 10.2”

Model: YLTAG-0102/R

Perfect for promotion stand, fruit & vegetables and appliances section.



Specifications

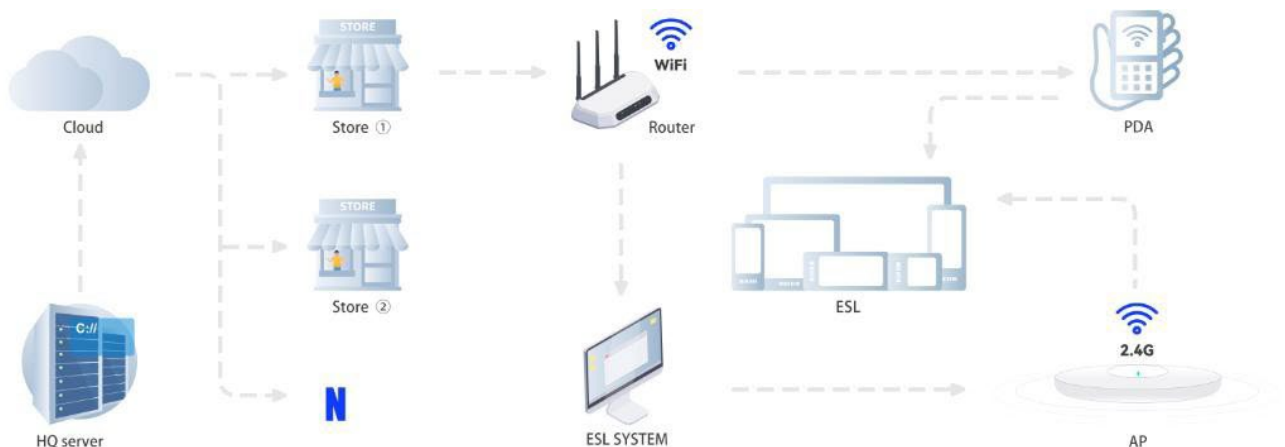
Product Dimensions (mm*mm*mm)	234.6×170.7×12.9	
Active Display Area (mm*mm)	215.52*143.86	
Weight (g)	220	
Case Color	White, black	
Display Size (inch)	10.2	
Resolution (pixel)	960*640	
DPI	183	
Display color	BWR, BWY	
NFC	None	
LED Flash	None	
Working life	5 years (2 updates per day)	
Battery Spec	8*600mAh CR2450	
Changeable Battery	Universal single button battery (replaceable)	
Working Temperature (°C)	0~40	
Working Humidity (%RH)	30~70	
Protection Level	IP54	
Certification	ROHS,CE,FCC	
RF Wireless Communicaiton Parameters	Working Frequency: 2402MHz ~ 2480MHz	System Throughput: Up to 6,000 labels per hour

ESL Gateway

YLAP-1/2.4G is the third generation ESL gateway(also known as AP) researched and developed independently by YalaTech, which is highly integrated to meet rapid development of new-generation AP. YLAP-1/2.4G achieves higher performance, making customer to have a better using experience.



System architecture of ESL gateway(AP)



Features

- Private communication protocol to ensure no interference and communication security;
- High-speed bi-directional communication with ESLs;
- High capacity and wide coverage;
- Compatible with all YalaTech ESL labels;
- Support power supply by POE and AC/DC power adapter;
- Support Web configuration mode;
- LED light real-time display working status.

Hardware configuration

YLAP-1/2.4G specifications	
Product view	
Product Dimension(mm)	Radius 178 x height 40
Weight	203g
Housing Color	white
Power supply module	
Input Voltage	5V DC
Rated Current	2A
Rated Power	10W
Other	Overload/over-voltage/over-temperature protection
Main processor module	
CPU	S5P4418XCO-LA40, 1.4GHz, 4 core
Memory	8GB eMMC
OS	Linux
RF module	
Working Frequency	2.4G
Communication Protocol	Zigbee2.4G/TCP/IP
Communication Mode	Half-duplex two-way communication
Communication Channel	1-80
Communication Distance	Open air 60m radius, indoor 15m radius
Transmit Power	20dbm
Antenna Gain	5db
Antenna Features	Omni-directional antenna
Ethernet module	
Connection Speed	10/100M (adaptive)
Auto-negotiation	Support
Automatic Flip	Support
DHCP	Support
POE module	
Input Voltage	44~57V DC
Output Voltage	12V DC
Rated Current	1A
Maximum Power	12W
Standard	IEEE 802.3af
Temperature	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-30°C ~ 70°C