

Lite Series 1.54"

Model: AES-0154/L 4 color is available

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



Specifications

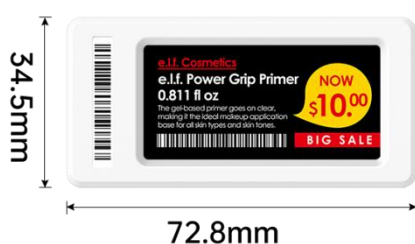
Product Dimensions (mm*mm*mm)	53.5*38.8*15	
Active Display Area (mm*mm)	26.9x26.9	
Weight (g)	22	
Case Color	white	
Display Size (inch)	1.54	
Resolution (pixel)	200*200	
DPI	183	
Display color	BW, BWR, BWRY	
NFC	1. Complies with ISO/IEC 14443 Type A standard 2. Supports NFC NDEF data format with 200 bytes writable memory 3. Communication distance is reachable maximum 10 mm	
LED Flash	Red, Blue, Green, Yellow, White, Cyan, Purple	
Working life	5-10 years (2-4 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

MOQ: 5000

Lite Series 2.13"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Lite Series 2.9"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Lite Series 4.2"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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: AES-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)	800*480	
DPI	183	
Display color	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Slim Series 2.13"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Slim Series 2.9"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Slim Series 4.2"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 5000

Slim Series 7.5"

Model: AES-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)	800*480	
DPI	183	
Display color	BW, BWR, 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	5-10 years (2-4 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: AES-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	5-10 years (2-4 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: AES-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	BW, BWR, 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	5-10 years (2-4 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: AES-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	BW, BWR, 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	5-10 years (2-4 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

MOQ: 2000

Rock Series 3.5"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 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 12,000 labels per hour

Rock Series 4.2"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 updates per day)	
Battery Spec	4*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

MOQ: 2000

Rock Series 5.83"

Model: AES-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	BW, BWR, 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	5-10 years (2-4 updates per day)	
Battery Spec	4*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: AES-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	BW, BWR, BWRY	
NFC	None	
LED Flash	None	
Working life	5-10 years (2-4 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

7 color ESL 7.3"

Model: AES-0730/SC

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



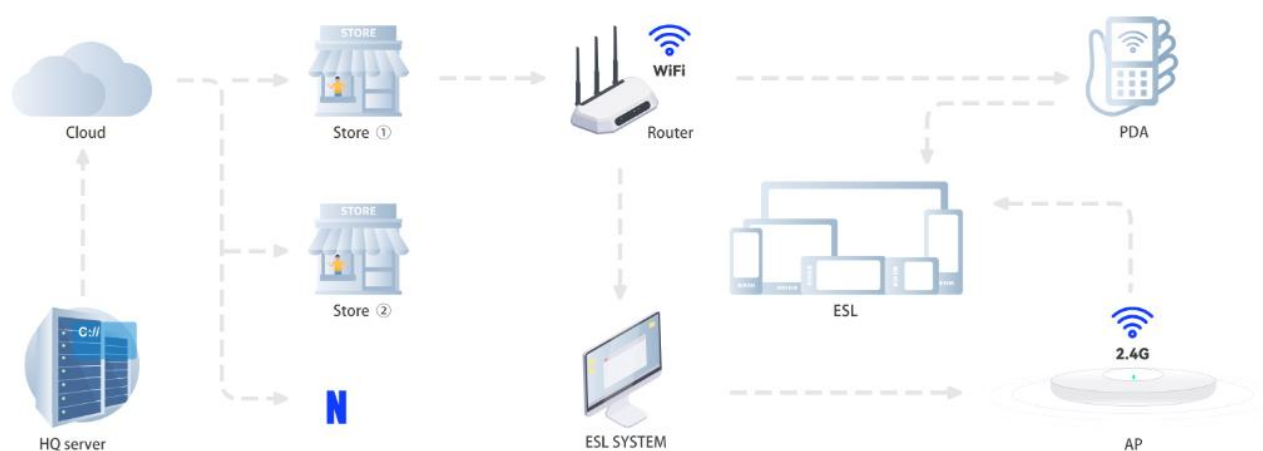
Specifications

Product Dimensions (mm*mm*mm)	183*118*11.2	
Active Display Area (mm*mm)	160x96	
Weight (g)	201	
Case Color	white	
Display Size (inch)	7.3	
Resolution (pixel)	800*480	
DPI	183	
Display color	Black, White, Red, Yellow, Blue, Green, Orange	
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	5-10 years (2-4 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

ESL Gateway Model: AES-B001



The AES-B001 Electronic Shelf Label Control Base Station provides network access, tag communication, and update control for ESL systems. It integrates Wi-Fi, RJ45, Bluetooth, and multi-channel RF communication, supports desktop, vertical, ceiling-mounted, and other installation methods, and is suitable for retail stores, supermarket chains, warehouses, and centralized ESL management scenarios.



Features

Private communication protocol to ensure communication security and reduce interference;

High-speed bi-directional communication with ESL labels;
Supports Wi-Fi, RJ45 Ethernet, Bluetooth, and multi-channel RF communication;

Supports PoE, 12 V DC, and USB Type-C 5 V power input;

Compatible with PanPanTech ESL labels;

LED indicators display real-time operating status.

Hardware configuration

AES-B001 specifications	
Product Dimension(mm)	155 x 155 x 35 (L x W x T)
Weight	approx. 332 g
Housing Color	White
Housing Material	ABS + PC
Mounting	Desktop, vertical, ceiling-mounted, and other installation methods
Main processor module	Quad-core ARM Cortex-A35 CPU, 1 GB DDR3 RAM, 16 GB eMMC storage
Display	4-digit LED segment display
Indicator LEDs	Red: power; Yellow: operating status; Green: special status
Power supply module	12 V DC 1 A / USB Type-C 5 V 2 A / PoE 48 V, max. 30 W
Network module	Wi-Fi 2.4 GHz AP/Station; RJ45 Ethernet; BLE 5.2 private protocol
RF module	Four-channel RF module, two transmit channels and two receive channels
Working Frequency	2.4 GHz (2400 MHz - 2500 MHz), private protocol
Communication Distance	0-25 m in non-open environments
Operating Current	<350 mA
Operating Temperature	0 °C ~ 50 °C
Storage Temperature	-10 °C ~ 50 °C
Software Support	ESL management system / base-station control system; USB Type-C debugging