


Technical Specifications

Keypad type: E11-2.4GHz- Voting Keypad.





1. Technical parameters

- **Dimensions:** 110 × 58 × 16mm (L×W×H)
- **Weight:** 81g (with battery installed)
- **Color & Material:** Black, ABS plastics.
- **Display Specification:** 160*96 matrix LCD.
- **Apparent Area:** 38.38 x 24.94mm.
- **LCD shows** channel number, keypad ID, electricity intensity, charging status, signal strength, present status and online tips, etc.
- **Display Content:** English, Polish, Numbers & Icons.
- **Indication information:** the RGB LED light represents the status of keypad, buttons and data receiving.
- **User Input:** 6 elastomeric buttons with backlight for entering vote responses. Backlight will be light up when the function is open, details as below:
 - 1 key [] for sign in, also for submitting and power off, backlight will be green.
 - 3 keys [✓/×/?] for Yes, No and Abstain, backlight will be green, red and white.
 - 2 keys [▲/▼] for Up and Down, backlight will be white;
- **Battery:** One piece of rechargeable Lithium-ion battery (1100mAh).
- **Battery Life:** Working voltage 3.2 V-4.2 V, low power voltage 3.6V, full of needs about 3 hours at a time, full of sustainable work between 70 and 16 hours (buttons backlight all open), 72 hours standby (theoretical), 3 months when shutdown.
- **RF Technology:** Communication band 2.4GHz, patented and proprietary ARS communication protocol, bidirectional data validation and automatic frequency tracking.
- **Channel Number** between 1 to 32.
- **RF Power:** < 200mW (<+23 dBm).
- **Operation Distance:** Within 100 meters.
- **Speed:** 200 pcs voting keypads will be collected within 3-5 seconds. 400 pcs keypads will be collected within 5-10 seconds.

This technical parameters is applicable to enterprises and government

affairs under normal conditions if you have special requirements, please consult the salesperson and technical supporter.

2. Management Functions

- **Turn on & Turn off:** Press any button to turn on; long press [] to turn off, turn off automatically after E11 offline lasting for 3 minutes, support to customer the settings remote control shutdown or on-line automatic shutdown.
- **Sign-in:** Support the ID & SN sign in by pressing the button []. Screen will show “signed”.
- **System Work Mode:** Match mode.
- **Status Indication:** Support the online status, voting progress, status indication and low power indication.
- **Power Failure Protection:** When there is an abnormal power failure or battery replacement, keypad will save the input data and recover automatically when power back.

3. Application Functions

- **Vote:** Support to press [✓/×/?] or [✓/×] for vote, screen will show “Received” when successfully submitted.
- **Candidate election:** Support election with Max 200 candidates list and choose Max 80 candidates, support the batch submittal.
- **List download:** Allow downloading a list of max 200 persons (max 80 persons for accumulative voting).

4. System Configuration

- Voting keypads E11 (required).
- Wireless data transceiver base station (required).
- Voting software (required).
- Single charging cases.
- Computer, projection display device and auxiliary wires (depending on the actual scene) supplied by the customer.

This system belongs to the standard configuration of enterprise and government affair application, if you have special request, please contact the salesperson or technical supporter for customized solutions.

5. Working conditions

Storing Temperature between -20°C and 55°C;
Operating Humidity between 15% and 75%;
Storing Humidity between 0% and 90%;
Waterproof: Water proof.
Anti dropping performance: Do not fall from the place over 1.2 meter high.

6. Quality Certificate

Need apply





7. Products & Services

Two years warranty period for all the hardware components, battery is one year. Free maintenance for non-human damage.

8. Software

Product Name	EVS software
Application Scenarios	Directors meeting, committee meeting and shareholders meeting in enterprises.
Management Functions	ID/SN sign-in. Presents the vote, review results, and the election results. Support Excel and Word report output.
Application Functions	Vote, Election list.

9. Accessories

Product Type	Base station	Base station	Charging box	Wires
Product Picture				
Product Name	EA1000	EA4000T	E10-50BP(5to1)	Charging accessories, power adapter, Micro connector
Size	91 x 31 x 12mm	137 x 125 x 25mm (without antenna)	505 x 325 x 153mm (L×W×H)	N/A
Connect	EA1000	USB & TCP/IP	DC 220V adapter socket	Output Voltage: 5.2V; Electric current: 400~500mA; Wire length: 1.0 meter
Capacity	A base station for 400 keypads, Max 8 sets of cascade	A base station for 2000 keypads.	Max number of charging is fifty	One set