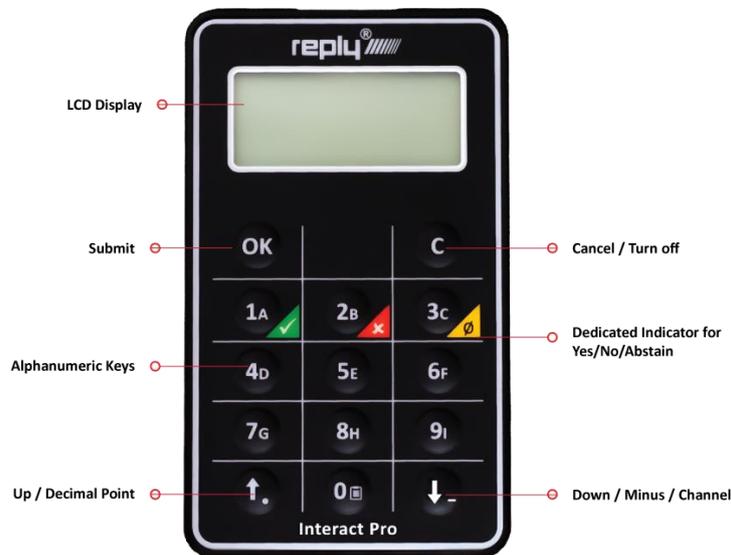


# Reply® Interact Pro: Product Information Sheet



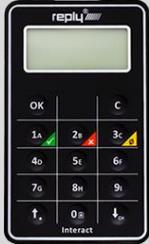
Press on one of the dedicated buttons above to navigate to the desired section

## 1. PRODUCT APPEARANCE



Please note: Available keypad functionality is subject to the functionality provided by the software selected.

## 2. KEYPAD COMPARISON

|                         |  |  |  |  |
|-------------------------|---|---|--|---|
|                         | Interact Mini   | Interact  | Interact Plus  | Interact Pro  |
| 3.2.1 Generic Sign In   | ✓   | ✓   | ✓  | ✓   |
| 3.2.2 Unique Sign In    | ✗   | ✓   | ✓  | ✓   |
| 3.3 Single Choice       | 1 out of 5  | ✓   | ✓  | ✓   |
| 3.4 Multiple Choice     | 5 out of 5  | ✓   | ✓  | ✓   |
| 3.5 Judge Y/N/A         | ✓   | ✓   | ✓  | ✓   |
| 3.6 Numeric Input       | ✗   | ✓   | ✓  | ✓   |
| 3.7 Sequence            | ✗   | ✓   | ✓  | ✓   |
| 3.8 Raise Hand          | ✓   | ✓   | ✓  | ✓   |
| 3.9 Texting             | ✗   | ✗   | ✓  | ✗   |
| 3.10 Live Examination   | up to 10 questions  | ✓   | ✓  | ✗   |
| 3.11 Homework           | ✗   | ✗   | ✓  | ✗   |
| 3.12 Messaging          | ✗   | ✗   | ✓  | ✓   |
| 3.13 Batch Voting Y/N/A | ✗   | ✗   | ✗  | ✓   |
| 3.14 Batch Evaluation   | ✗   | ✗   | ✗  | ✓   |
| 3.15 Elections          | ✗   | ✗   | ✗  | ✓   |

## 3. KEYPAD FUNCTIONS

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### 3.1. TURN ON/OFF:

- Press any key to turn on the keypad
- The Keypad can be turned off through software by the operator or by holding the “C” key for 3 seconds.

### 3.2. SIGN IN:

The Reply® Interact Pro has two different sign in functions.

#### 1. Generic Sign In

This allows the operator through software to check attendance prior to the meeting.

Sign in is achieved by pressing the **OK key** when a sign In Question is activated.

#### 2. Unique Sign In

This functional requires the participants to input a code or id that is verified by software. Using the Unique Sign In function, ensures that the participants can only move forward and participate on the questionnaires/presentation after they have submitted a valid login code/id.

### 3.3. SINGLE CHOICE:

- Choose 1 out of maximum 10 possible answers (The 0/J key is used when selecting 10).
- Press an option to submit the desired choice
  - o The software allows for the operator to choose:
    - between Letters and Number
    - to require **OK** to submit the vote
    - to show/highlight the correct answer upon closing the vote
    - to allow the participant to revise their vote by pressing a new option to overwrite their previous selection

### 3.4. MULTIPLE CHOICE:

- Choose maximum 10 answers out of 10 options (The 0/J key is used when selecting 10)
  - o Rule: *Number of answers must be lower or equal to Number of Options and lower or equal to 10*
- Press the Alphanumeric keys to enter the selected options and press **OK** to submit all choices.
- Press **C** to delete the last selection
- The software allows for the operator to choose:

- To show Letters or Numbers in the Display
- to show/highlight the correct answer upon closing the vote
- to allow the participant to revise their vote by pressing a new option or series of options to overwrite their previous selection/selections
- to allow for submitting the vote only, when the minimum number of answers have been selected.

### 3.5. JUDGE MODE (Y/N/A)

- This mode is used for dedicated Yes, No, Abstain Questions.
- The software enables the Operator to choose to allow only Yes and No votes, or Yes, No and Abstain votes.
  - The user is presses 1 for Yes, 2 for No, 3 for Abstain (optional)
- Operator can choose to require the user to confirm their Vote with **OK** or, automatically send the vote immediately once the key is pressed.
- Operator can choose to allow the users to revise their vote or not

### 3.6. NUMERICAL INPUT

- Enter a free combination of numbers, decimal points and where relevant the minus symbol
- The vote is submitted once the OK is pressed to confirm the vote
- The user can delete and revise their last entry in the LCD by pressing **C – Key before confirming the vote with OK**
- Supports up to 16 Digits of input (14 in SN submission mode)
- Operator can choose to allow the users to revise their vote or not

### 3.7. SEQUENCE

- Supports up to 10 answers in random sequence.
- This mode is used to send a sequence of answers (e.g. to sort the answers in the correct order).
- The function allows the operator to:
  - switch between numbers and letters
  - limit the maximum number of options the user can put into the keypad
  - force the user to insert a specific number of answers before he can send the answer (e.g. for prioritizing a set number of options)
  - allow or disallow repeated selection (e.g. for rating on multiple items)
  - allow or disallow the user to revise their votes

### 3.8. RAISE HAND

After the vote has been opened, the participants can press **OK** to raise their hand to answer a question.

### 3.9. MESSAGES

Allows the operator/software to send Messages with a length of max. 140 characters to the users/keypads. Parts of the messages can be pre-loaded to the Keypad.

### 3.10. BATCH VOTING (Y/N/A)

In this mode, the operator/software can download up to 80 resolutions to the keypad. The users can then answer and review the resultion. And press the dedicated keys for **Yes**, **No** and **Abstain** to vote for each resolution title and send all resolutions at once by pressing the **OK** Key. A title with maximum of 14 Characters can be displayed for each resolution.

### 3.11. BATCH EVALUATION

Supports maximum 200 evaluation items with one of the below built in templates. For evaluation purposes. A Title with maximum of 14 characters can be displayed for each evaluation. Users can answer the evaluation titles at their own speed by pressing key 1-5 to select their evaluation choice. When finished, users can send their evaluation by pressing the **OK** key.

The Reply® Interact Pro has 8 built in templates for batch evaluation:

- Satisfied / Acceptable / Unsatisfied
- Satisfied / Acceptable/ Unsatisfied / Not Sure
- Satisfied / Acceptable / Neutral / Unsatisfied
- Very Satisfied /Satisfied / Not Sure / Unsatisfied / Very Unsatisfied
- Totally Agree / Agree / Not Sure/ Disagree /Totally Disagree
- Excellent / Good/ Poor
- Excellent / Good / Average/ Poor
- Excellent / Competent / Average/ Incompetent

### 3.12. ELECTIONS

The Software/operator can load up to 200 candidate names to the Reply® Interact Pro Keypad. Up to 80 names of these can be selected. The operator/software has the ability to selected the names that will be displayed out of the 200 uploaded candidate names. This allows the operator/software do do multiple rounds of elections with the same candidates and discard only the candidates that are already elected. The user can press the **up** and **down** key to scroll through the list of candidates. User can select / unselect a candidate by pressing the dedicated **Yes – key** (1-key).

The operator/software has the ability to determine a minimum and/or maximum or exact number of candidates to be elected. When finished, users can send their evaluation by pressing the **OK – key**.

## 4. TECHNICAL INFORMATION

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### 4.1 ENCLOSURE

- ✓ Material: ABS plastics
- ✓ Dimensions: 92mm × 54mm × 8mm (L×W×H)
- ✓ Weight: net weight 33g (37g with battery)
- ✓ Color: black

### 4.2 KEYPAD ID

- ✓ Each keypad has a unique ID number between 1 – 9999.
- ✓ The ID number of each keypad is used as its identification evidence when the keypad responds.
- ✓ Support multiple base stations operating at the same place simultaneously without mutual interference in match mode.

### 4.3 USER INPUT

- ✓ 10 voting response buttons: 1/A~10/J.
- ✓ 2 functional operation buttons: **OK** for confirmation, **C** for cancel.
- ✓ 2 symbol input buttons: decimal point [**Up**] button, minus [**Down**] button.

### 4.4 DISPLAY

- ✓ 128×48 dot matrix graphic LCD with display dimension: 38mm x 16mm.
- ✓ Display: English character set, numbers, icons and special characters etc.
- ✓ Able to display: signal strength, channel number, keypad ID, battery status, successful submission.

### 4.5 COMMUNICATION PARAMETER

- ✓ Specific communication protocol:
- ✓ Once the base station successfully received the response data, it will return confirmation message and indicate it on the keypad.
- ✓ Keypad can auto track and lock the channel of the base station in matching mode.
- ✓ Employs international two way RF 2.4GHz digital communication technology with multiple channels.
- ✓ Channels: 32 channels, RF power < 1mW (1dBm).
- ✓ Operation distance: reliable operation within 100 meter radius from the base station
- ✓ Speed: 160 keypad data collected within 1 seconds during practical test while working with RPI-1000 base station.

#### 4.6 BATTERY PARAMETER

- ✓ Battery type: uses Lithium-Ion Battery (300mAh)
- ✓ Battery life:
  - About 3hours to get batttery fully charged
  - 80 hours continous working time with full battery
  - 200 hours standby time by theory (online)

#### 4.7 ANTI-INTERFERENCE PARAMETER

- ✓ As per test result, the keypads will not be influenced by communication devices such as phones and phone jammers.
- ✓ If the interference signal of 2.4G devices (such as wireless router) is strong, it is useful to adjust the base station channel.

#### 4.8 KEYPAD REMOVAL AND MANAGEMENT

- ✓ The battery cover is equipped with screw hole to meet the requirements of children use.
  - Built-in lanyard hole for optional and fashion lanyard.
  - Optional carry cases.

#### 4.9 PRODUCT PROTECTION

- ✓ Testing through practical drop from 1 meter high as a pass.

## 5. MANAGEMENT FUNCTIONS

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### 5.1 BASE STATION MODES

- 1) Match Mode (**default**): The keypads will be linked to the base station(s), so the user does not need to change the keypad Channel. When changing the channel on the base station, the keypads will automatically follow.
- 2) Channel Mode: This mode is designed for environments where multiple systems will be used next to each other or one system needs to be divided into multiple rooms. When changing the channel in this mode, the keypads will not follow the channel automatically. The user needs to change the channel by holding the **Down/CH – Key** for 3 seconds.

### 5.2 KEYPAD ADDRESS

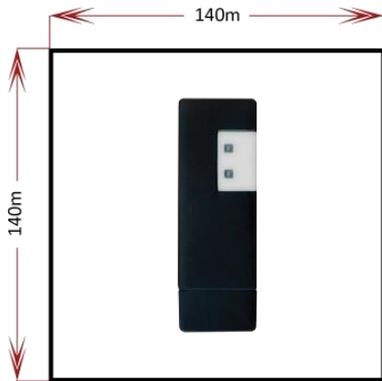
Each keypad has a pre-programmed Address and a unique Serial Number. The Keypad Address can be changed by holding the **Down/CH-Key + 1** for 3 seconds.

### 5.3 FUNCTIONAL AND BATTERY TEST

The Operator/Software can test the battery and working status of each keypad automatically or simulate an operation.

## 6. SYSTEM STRUCTURE

### 6.1. BASE STATIONS



#### RPI 1000

When using a single base station, the RPI 1000 together with IN4100 (Reply® Interact Pro) keypads, is suitable for rooms up to 140 meters by 140 meters with a maximum of 400 people.

|                          |  |
|--------------------------|--|
| Room Size:               | 140m x 140 m   |
| Keypads:                 | Up to 400 with a single base station   |
| Base station             | 1 x RPI 1000   |
| Location of Base station | Located centrally (70m x 70m if located in a corner), recommended to place base station 1.5m high. |



#### RPI 4000

When using a single base station, the RPI 4000 together with IN4100 (Reply® Interact Pro) keypads, is suitable for rooms up to 140 meters by 140 meters with a maximum of 2000 people.

|                          |  |
|--------------------------|--|
| Room Size:               | 140m x 140 m   |
| Seats:                   | Up to 2000 with a single base station  |
| Base station             | 1 x RPI 4000   |
| Location of Base station | Located centrally (70m x 70m if located in a corner), recommended to place base station 1.5m high. |

Larger rooms can be accommodated by centrally locating the base station and higher number of keypads can be accommodated by utilising multiple base stations.

## 7. CERTIFICATION AND COPYRIGHT

### 7.1 SERVICE & SUPPORT

- ✓ Certificate: FCC/CE/ROHS
- ✓ Warranty: 2 years limited warranty. Call for details.
- ✓ Please contact us for details: Sales and agent service: [sales@replysystems.com](mailto:sales@replysystems.com)
- ✓ Technical support service: [support@replysystems.com](mailto:support@replysystems.com)

## 7.2 CERTIFICATIONS

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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### *FCC RF Radiation Exposure Statement:*

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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