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› FONGWAH E7-UC-13-A0 RFID Smart Card Reader Writer User Manual

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FONGWAH E7-UC-13-A0 RFID Smart Card Reader Writer User Manual

Model: E7-UC-13-A0 | Brand: FONGWAH

PRODUCT OVERVIEW

The FONGWAH E7-UC-13-A0 is an all-in-one RFID reader and writer designed to support both contactless and contact smart cards. It features a 2-line LCD display and a password keypad, making it suitable for various applications including e-payment, e-government, e-banking, and loyalty programs. This device complies with ISO14443A and ISO7816 standards, supporting a wide range of chip types including MIFARE, DESFire, Ultralight, and CPU cards.



The FONGWAH E7-UC-13-A0 RFID Smart Card Reader Writer, featuring an LCD display and keypad.

SETUP GUIDE

Package Contents

- FONGWAH E7-UC-13-A0 Reader Writer Unit
- Integrated USB Connection Cable
- Software Development Kit (SDK) - available for download

System Requirements

- Operating System: Windows 98, ME, NT 4.0, 2000, 2003, 2003 R2, XP, Vista, 2008, 7, 8; Windows CE 5.0 and 6.0; Linux; Android 3.1 and above.
- Hardware Interface: Available USB port
- Compatible Devices: Personal Computer, Laptop, Tablet

Initial Connection

1. Connect the integrated USB cable from the E7-UC-13-A0 device to an available USB port on your computer.
2. The device is designed for plug-and-play operation. Drivers should install automatically on supported operating systems.
3. For advanced functionality and development, download the SDK from the official FONGWAH website: [E7-SDK-V2.0.0.22_20190816.zip](#).



The rear view of the device, highlighting the integrated USB cable for connection.

OPERATING INSTRUCTIONS

Device Features

- **LCD Display:** Two-line LCD screen for status display and prompts.
- **Keypad:** Numeric and function keys (F1, F2, F3, Clear, Enter) for password input and navigation.
- **Contactless Card Reader:** Supports ISO14443 Type A cards (e.g., MIFARE Classic, DESFire, Ultralight, CPU cards). Operating distance: 0-50mm.
- **Contact Card Reader:** Supports ISO7816 compliant contact cards (e.g., SLE4442/5542, CPU cards).
- **PSAM Card Slots:** Three PSAM card slots compliant with ISO7816 T=0, T=1 protocols.



Front view of the reader with a smart card inserted, demonstrating the contact card reading capability.



Side view illustrating the contactless RFID symbol, indicating the area for contactless card interaction.

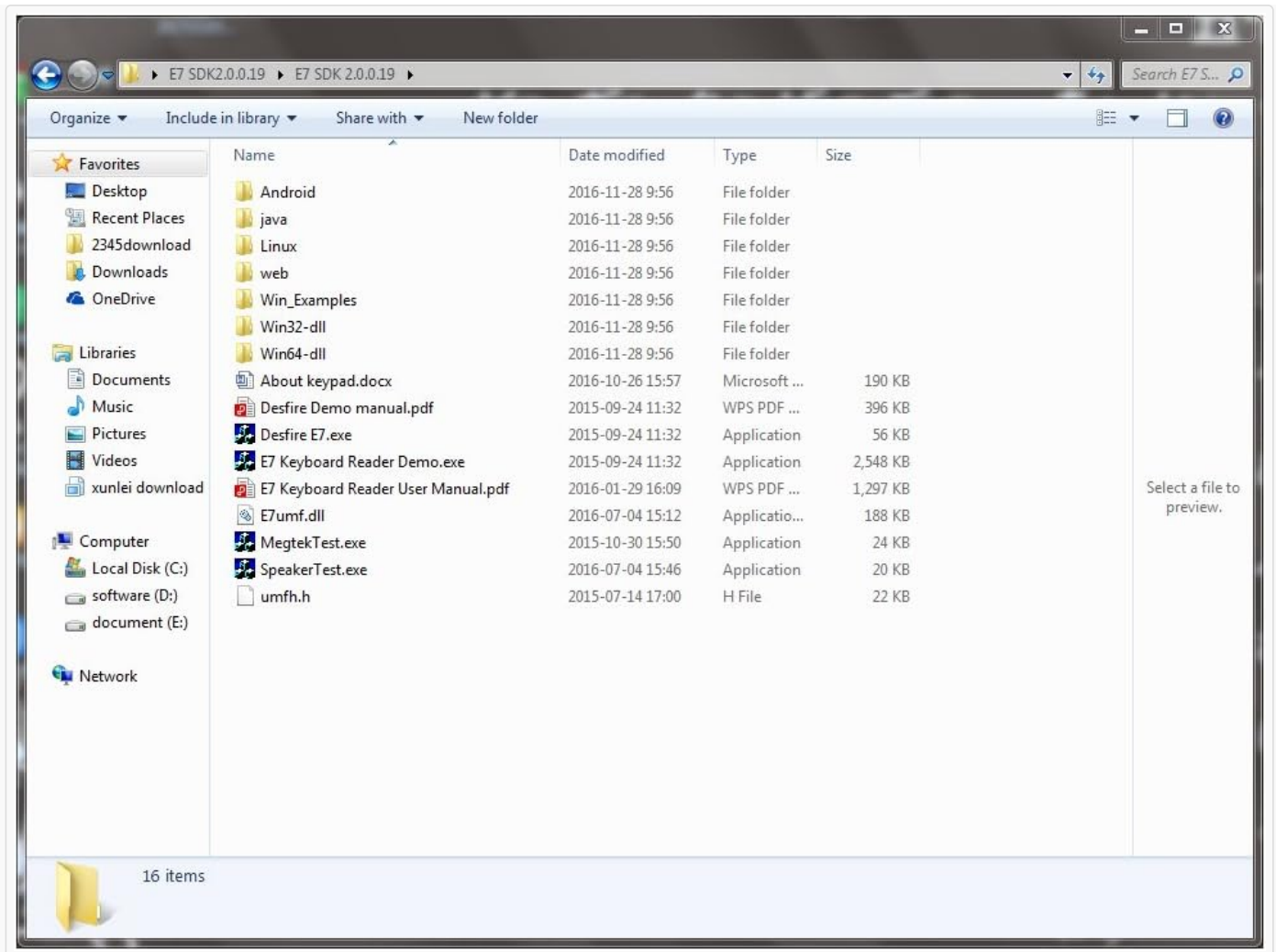


The underside of the device with the cover open, showing the three PSAM card slots.

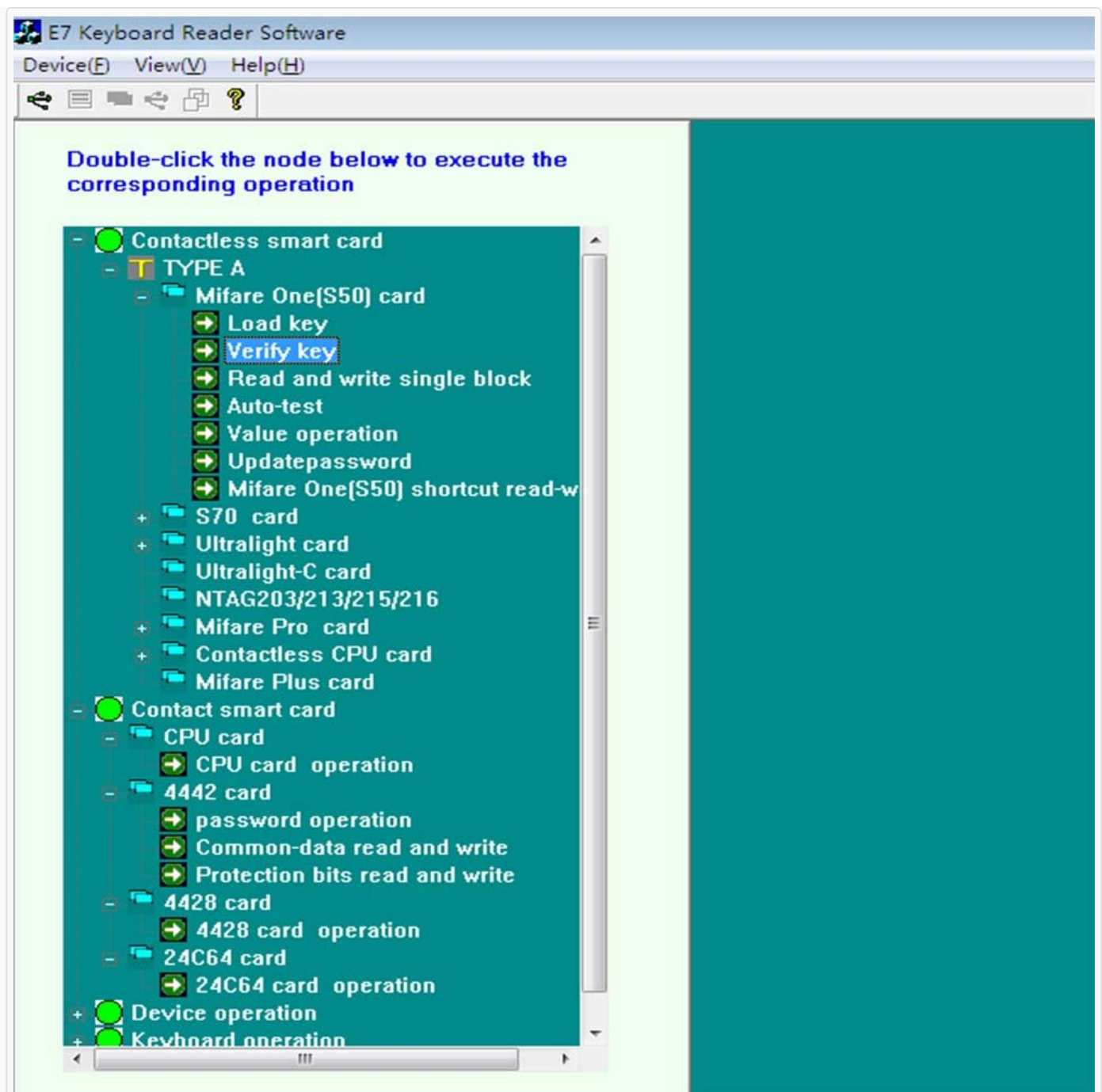
Using the SDK

The SDK (Software Development Kit) provides tools and documentation for integrating the E7-UC-13-A0 reader/writer into custom applications. It includes examples for various card operations.

1. Download and extract the SDK package.
2. Refer to the SDK documentation for programming guides and API references.
3. Utilize the provided demo applications to understand basic functionalities such as reading and writing to different card types.



A screenshot of the SDK folder, showing its contents including documentation and example files.



The user interface of the E7 Keyboard Reader Software, demonstrating various card operation options.

MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or humidity.
- Do not attempt to disassemble the device, as this will void the warranty.
- Ensure the USB cable is not bent or damaged to maintain proper connectivity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device not recognized by computer.	Loose USB connection, driver issue, incompatible OS.	Ensure USB cable is securely connected. Try a different USB port. Verify OS compatibility. Download and install the latest SDK/drivers if necessary.
Cannot read/write cards.	Incorrect card placement, unsupported card type, software issue.	Ensure card is correctly inserted into the contact slot or placed within the contactless reading range. Verify the card type is supported (ISO14443A, ISO7816). Check SDK application settings.
LCD display is blank.	No power, device malfunction.	Ensure the device is properly connected via USB and receiving power. If the issue persists, contact support.
SDK download link not working.	Link changed, temporary server issue.	Visit the official FONGWAH website (fongwah.com) and navigate to the support or download section for the E7 series.

Important Note: This reader writer is not compatible with any application software or with any other company's reader unless specifically stated. For SDK download, please use the provided official link.

SPECIFICATIONS

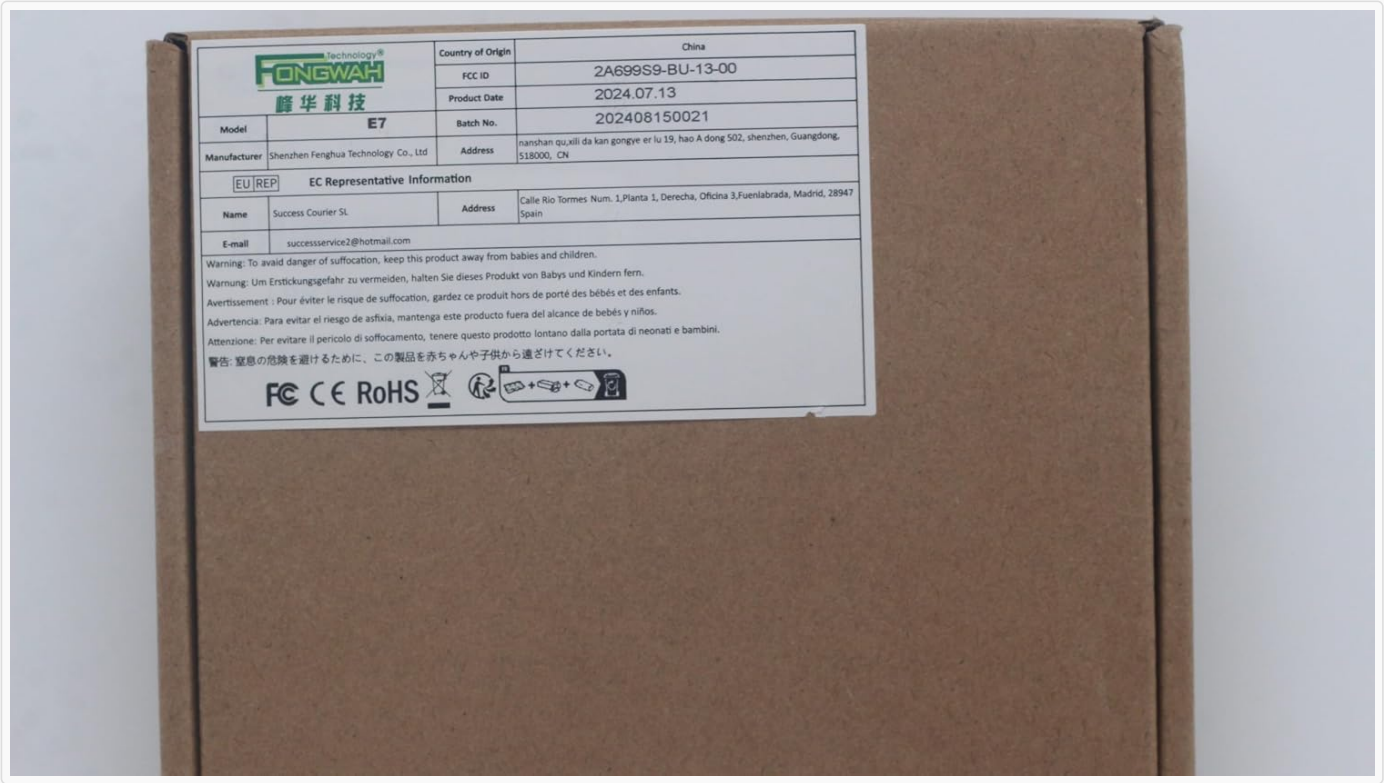
Product Name	E7 RFID Reader Writer
Model	E7-UC-13-A0
Brand	FONGWAH
Support Protocol	ISO14443 Type A, ISO7816 (read & write)
Operating Distance	0-50mm (Contactless)
Interface	USB (Plug & Play)
Baud Rate	9600bps ~ 115200bps
Operating Frequency	13.56MHZ
Display & Pin Pad	LCD 2-lines screen display, Keypad
Supply Voltage	DC5V ± 10%
Operating Temperature	-20°C ~ 60°C
Dimensions (L x W x H)	190mm x 95mm x 50mm
Net Weight	346g
Gross Weight	447g

Operating System Support	Win98, Win ME, Win NT 4.0, Win 2000, Win 2003, Win 2003 R2, Win XP, Win Vista, Win 2008, Win 7, Win 8, Win CE 5.0 and 6.0, Linux, Android 3.1 and above
Compatible Devices	Personal Computer, Laptop, Tablet
Supported Chip Types (Optional)	ISO 14443 TYPE A / ISO7816; PHILIPS: MIFARE Classic (s50, s70), MIFARE Pro, MIFARE DESFire, MIFARE Ultralight, MF1ICS50, FM1108, MF1ICS70, contactless CPU card; SIEMENS: SLE4442/5542, SLE4418/4428, SLE4404, SLE4406, and other compatible memory cards; CPU Card compliance to ISO7816, T=0, T=1.
Typical Applications	Industrial and commercial tax, Banking, finance, access control, member shipment system, canteen, parking, Secure control, E-payment, e-Government, e-Banking-Healthcare, E-commerce transportation, Loyalty Program.

WARRANTY AND SUPPORT

Warranty Information

Specific warranty details are typically provided with the product packaging or can be obtained from the point of purchase. Please retain your proof of purchase for warranty claims.



The product packaging box, which may contain warranty and compliance information.

Technical Support

For technical assistance, SDK support, or inquiries regarding product compatibility, please refer to the official FONGWAH website or contact their support channels. Free SDK download is available at: http://en1.fongwah.com/wp-content/uploads/2019/08/E7-SDK-V2.0.0.22_20190816.zip.

Note: The manufacturer explicitly states that this reader writer is not compatible with any application software or with any other company's reader unless specified. Ensure you are using the official SDK and guidelines for development.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question