

THINKCAR

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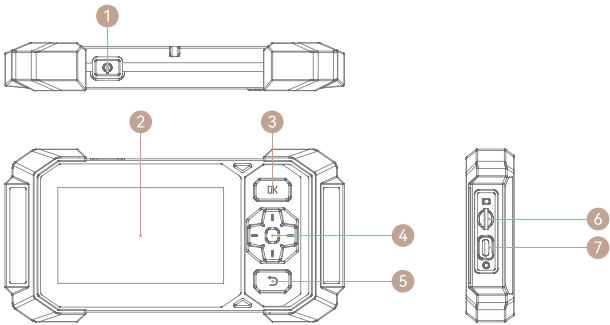
1 Product Overview

ThinkScan 64X Series is a new generation intelligent diagnostic device equipped with a 4.3-inch touchscreen. Powered by 2GB of memory and 32GB of storage, it enables fast and efficient vehicle fault diagnostics. Based on the number of supported ECUs and functional differences, this product line is available in four configurations: 641, 643, 645, and 649.

ThinkScan 641	3 ECUs + 5 Reset + Basic Function
ThinkScan 643	3 ECUs + All Function
ThinkScan 645	4 ECUs + 5 Reset + Basic Function
ThinkScan 649	4 ECUs + All Function

Note:
Basic Function includes reading fault codes, clearing fault codes, reading data streams, and reading ID information.
All Function includes all Basic Functions plus actuation tests and special functions.

2 Components & Controls



- 1. Power/Screen Lock Button:** Press and hold for 3 seconds to turn on or off; Press once to lock or unlock the screen.
- 2. Touch Screen:** 4.3-inch display for user interaction.
- 3. Confirm button:** Execute the selected function.
- 4. Direction button:** Control cursor movement for selection.

- 5. **Return button:** Cancel the current action or return to the previous menu.
- 6. **TF card slot:** Expandable storage slot supporting up to 128 GB.
- 7. **Charging Port:** Type-C charging port for charging or data transmission.

3 Technical Specifications

Host Computer

Screen: 4.3 inches

Resolution: 800*480 pixel

Working Environment: 0~50°C (32~122 °F)

Storage Environment: -20~60°C (-4~140 °F)

Working voltage: 5V DC

Working current: ≤ 2.5A

VCI

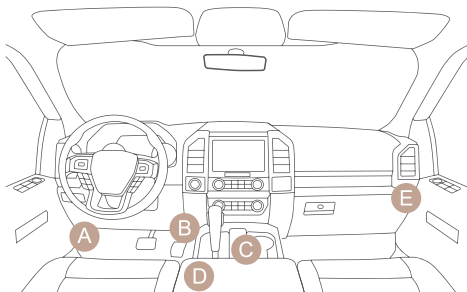
Working voltage: 9V~18V DC

Supported Protocols: SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2 ISO, ISO 14230-4 KWP, ISO 15765-4 CAN, CANFD.

4 How To Use

4.1 Connect the VCI to your vehicle through the OBDII port/ Data Link Connector (DLC). When the bluetooth is not connected, the indicator light flashes green.

The DLC is typically a 16-pin port where diagnostic code readers interface with the vehicle's onboard computer. The DLC is usually located within 12 inches of the center of the dashboard, under or around the driver's side in most vehicles. If the connector is not under the dashboard, a label may indicate its location. In some Asian and European vehicles, the DLC is located behind the ashtray, which may need to be removed to access the connector. If you cannot find the DLC, refer to the vehicle's service manual for guidance.



4.2 Turn the vehicle ignition on.

Note: It is not necessary to start the engine.

4.3 Power on the device.

4.4 Once the Android system starts, set the language and Wi-Fi.

The device will then display the main interface. Select the desired function on the interface to access the corresponding diagnostic feature.

5 Function Descriptions

5.1 AutoSearch

Autosearch function can automatically read the vehicle's VIN number, and identifies the brand, model, and year. This allows you to quickly access the diagnostic functions directly without manual input. If the vehicle information cannot be read, you can enter it manually and continue the diagnosis. (Only for 641 and 645)

5.2 Diagnose

The Diagnosis feature lets you manually select the vehicle's brand, model, and year to start the diagnostic process. This function is best used when you are familiar with the vehicle information. If unsure, it is recommended to use the Intelligent Diagnosis feature.

5.3 OBD

On-Board Diagnostics (OBD) is a system present in most modern vehicles

that monitors and diagnoses the performance of various components. It enables mechanics and vehicle owners to access real-time data, making troubleshooting more efficient. OBD provides critical information about engine speed, fuel efficiency, emission levels, and sensor readings. Additionally, it detects and displays fault codes, allowing technicians to identify and resolve issues quickly.

Overall, OBD plays a vital role in vehicle maintenance, supporting optimal performance and reducing emissions. When you press the OBD button, the device will automatically initiate the connection. Once the connection is successful, you will enter the OBD diagnostic page.

5.4 History

The function allows you to quickly view the diagnostic history and quickly enter the system scan function.

5.5 Report

The function allows you to record and save data, including diagnostic reports, data streams, and images for future reference and analysis.

5.6 Feedback

If you encounter any unresolved issues or software bugs during diagnosis, you can use the Feedback function to send the last 20 diagnostic test records to our service team. Our team will analyze the data and troubleshoot the issue promptly to enhance the product and user experience.

5.7 Maintenance

The Maintenance menu includes commonly used maintenance and reset functions to assist with regular vehicle upkeep.

5.8 Upgrade

Use the Update function to check for and download new diagnostic software and applications.

5.9 Settings

The Settings menu allows you to customize the device according to your preferences. Configure options such as language, time zone, WiFi, business information, etc.

5.10 Online Service

Pull down the task bar, find the customer service icon, click on it, and then human online customer service will appear to answer the questions you encounter during the use of the product.

5.11 Remote Assistance

You can ask for remote assistance through this third-party software. By sending your device ID number to the remote technician or after-sales personnel, you can authorize the other party to remotely operate your product solve the encountered problems.

6 Q&A

Q: Why does the software upgrade fail?

A: Please check whether the device is stably connected to the internet.

Q: Why is there no power with the VCI after connecting it to the vehicle's DLC port?

A: Please check whether the VCI is securely connected and verify that the vehicle's ignition switch is turned ON.

Q: Why can't I access the vehicle ECU system?

A: Please check whether the vehicle is equipped with the system, whether the VCI is correctly connected, and whether the vehicle ignition switch is ON.

Q: Why does the system stop while reading the data stream?

A: This may be caused by loose connection. Please unplug the VCI and try again.

Q: Why does the screen flash when the engine ignition starts?

A: This is a normal occurrence caused by electromagnetic interference.

7 Warranty Terms

- The warranty is valid only for users who purchase products through authorized channels.
- THINKCAR provides a one-year warranty from the date of product activation, covering defects in materials or workmanship. The warranty period may be subject to adjustment in accordance with local laws.
- This warranty does not cover damage to the device or its components caused by misuse, unauthorized modifications, use for unintended

purposes, or operation in a manner not specified in the manual.

- Compensation for damage to the dashboard caused by defects in this device is limited to repair or replacement. THINKCAR will not be liable for any indirect or incidental damages.
- THINKCAR reserves the right to determine the nature of any device damage based on its prescribed inspection methods. No agents, employees, or business representatives of THINKCAR are authorized to make any confirmations, notifications, or commitments regarding THINKCAR products without explicit authorization.

THINKCAR TECH CO.,LTD.

Customer Service Email: support@mythinkcar.com

Official Website: www.mythinkcar.com

Products tutorial, videos, Q&A and coverage list are available on Thinkcar official website.

FCC Warning

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.