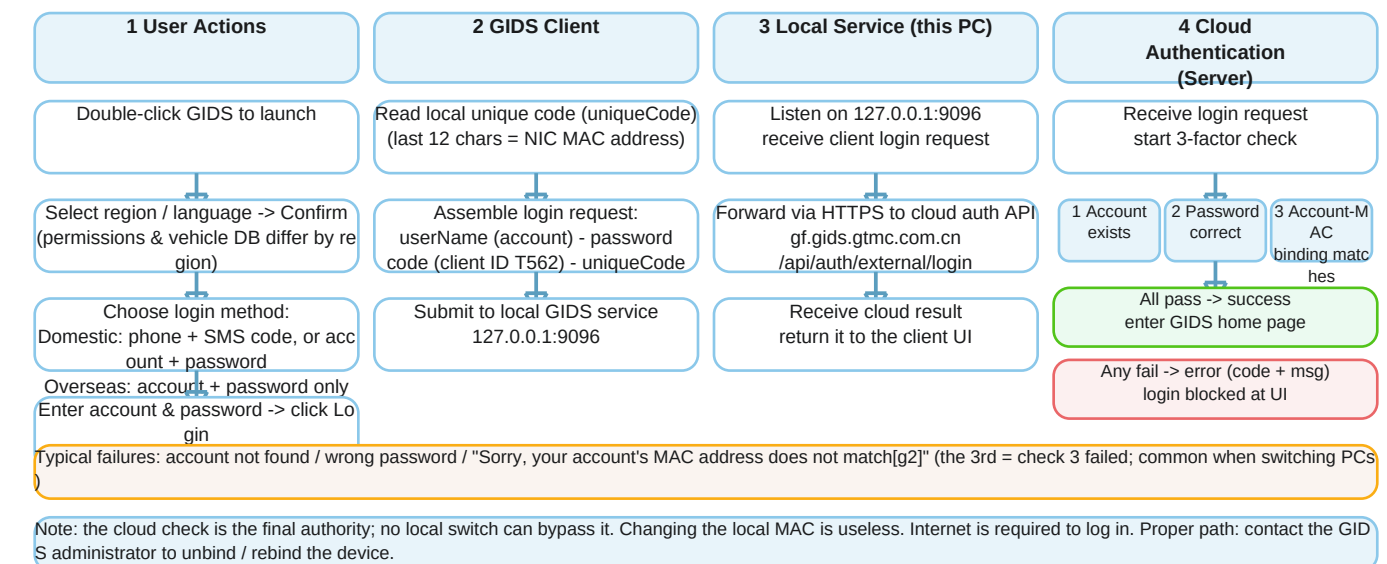


GIDS Intelligent Diagnostic Terminal - Login & Cloud Verification

Compiled from Section 2.4 of the GIDS Intelligent Diagnostic Terminal User Manual and verified login-traffic observations.



1. Startup & Prerequisites

After launching GIDS, the main screen appears. The first step is to select the region / language and confirm - supported user permissions and the vehicle database differ by region, and this step decides which regional server you connect to. Only then does the login stage begin.

2. Login Methods

Login method	Domestic	Overseas
Phone number + SMS code	Supported	Not supported
Phone number or email + password	Supported	Supported (only option)

3. Login Request Composition (verified)

When you click "Login", the client submits more than just the account and password - it also attaches the identity of this PC:

Field	Meaning
userName	Login account
password	Login password
code	Client / channel identifier (verified: T562)
uniqueCode	Local unique code; the last 12 characters are the NIC MAC address

4. Transmission Path

Client UI -> local GIDS service (127.0.0.1:9096) -> HTTPS forwarding -> cloud authentication API (<https://gf.gids.gtmc.com.cn/api/auth/external/login>) -> result returned after verification. The service on the local port 9096 is just a relay; all decisions are made on GAC Toyota's cloud servers.

5. Cloud Verification - Three Checks

Check	What it verifies	Typical failure message
1 Account exists	Whether the account exists in the cloud user data base	Account not found / wrong password
2 Password correct	Password comparison	Wrong password
3 Account-MAC binding	Whether the request's uniqueCode (last 12 chars, MAC) is in the device list registered under the account	Sorry, your account's MAC address does not match[g2]

6. After Successful Login

Only when all three checks pass is the login state granted, and you enter the GIDS home page. By permission, the home page is split into: Engineering Diagnosis (highest permission, for engineers), Local Diagnosis (commonly used by 4S shops, etc.), and Remote Diagnosis (no VCI needed; only supports EEA3.0 Xingling-architecture vehicles and above).

7. Common Questions

1. Why does a second PC report "MAC address does not match[g2]"? - Check 3 failed: the account is registered with the first PC's MAC only, so the second PC's uniqueCode is not in the binding list.
2. Does changing the local MAC or local configuration help? - No. The unique code is read and reported by the local service; the cloud compares it against the account binding table. Faking one part still fails the whole check, and there is no local switch to disable it.
3. Can it be used offline (no internet)? - No. Logging in always requires the cloud; the manual currently provides no offline login / offline authorization mechanism.

8. Proper Resolution Path

Contact the GAC Toyota GIDS administrator, provide the new PC's unique code (last 12 characters, MAC), and apply to unbind the old device / bind the new device. After that, you can log in normally on the new PC.