



IQ12-S2

Complete Product Specification

Professional 12-inch OE-Level Diagnostic Platform

AI DIAGNOSTICS

12" 1080P DISPLAY

IQ-LINK VCI

HIGHLIGHT

Compatible with SmartSafe ADAS Pro+ and SmartSafe ADAS Pro+ V2

Dedicated compatibility support for professional ADAS workflow integration



IQ12-S2 is a professional 12-inch diagnostic platform designed for advanced workshops that require powerful OE-level diagnostics, online programming, coding, bi-directional control, AI-assisted workflows and modern protocol support in one flagship device. The platform combines a large 1080P display, TCOS operating system, high-performance hardware, IQ-Link VCI communication and support for passenger vehicles, EV diagnostics and optional heavy-duty expansion.

Key Capabilities

- OE-level full system diagnostics for passenger vehicles
- AI-driven diagnostic support and guided testing workflow
- Read and clear fault codes across all major systems
- Bi-directional control / active tests
- Advanced coding where supported
- Online programming where supported
- Split-screen diagnostics for improved workflow efficiency
- Live data display with multi-parameter graphing
- One-touch screenshot, record and PDF report generation
- Security Gateway readiness including SFD / SGW type protected access workflows where supported
- Support for CAN 2.0, CAN FD, DoIP, J2534 and RP1210
- IQ-Link VCI with stable communication for advanced diagnostic and programming work
- 2 years of free passenger vehicle software updates
- 2 years of free EV software updates
- Support for SmartSafe ADAS Pro+ and SmartSafe ADAS Pro+ V2
- Optional heavy-duty package, TPMS, videoscope, scope, battery tester and key programming accessories



Technical Specifications

Operating System	TCOS System
Display	12-inch IPS touchscreen
Screen Resolution	1920 1080 display
Processor	MT8788 8-core processor, up to 2.2 GHz
Memory (RAM)	8 GB
Storage (ROM)	256 GB
Battery	12600 mAh / 3.8 V
Rear Camera	13 MP
Front Camera	5 MP
VCI	IQ-Link VCI
VCI Features	Status screen, stable communication, Ethernet / USB options
Communication	Wi-Fi, Bluetooth, USB / Type-C
Supported Protocols	CAN 2.0, CAN FD, DoIP, J2534, RP1210 and standard OBD-II protocols
Software Updates	2 years free updates for passenger and EV software
EV Diagnostics	Included EV diagnostic support
Heavy-Duty Coverage	Optional 12 V / 24 V heavy-duty package
ADAS Compatibility	Supports SmartSafe ADAS Pro+ and SmartSafe ADAS Pro+ V2

OE-Level Diagnostic Functions

- Full-system scan across engine, transmission, ABS/ESP, airbag, body, HVAC, ADAS, gateways and other supported control units
- Read and clear diagnostic trouble codes (DTCs)
- View ECU information and module details
- View freeze-frame data where supported
- Display 100+ live PIDs on many common vehicles
- Display up to 12 values simultaneously
- Graph up to 4 parameters simultaneously
- Capture screenshots and recordings directly from the device
- Generate and share PDF diagnostic reports
- Active tests / actuator tests
- Bi-directional control of supported systems
- Advanced ECU coding where supported
- Online programming where supported by software package, OEM conditions and region

Supported Diagnostic Protocols

CAN 2.0	CAN FD	DoIP
J2534	RP1210	J1850
ISO9141-2	KWP2000	ISO15765 CAN

IQ-Link VCI

IQ-Link VCI provides stable high-level communication for diagnostics and programming, with Ethernet / USB connectivity options and a built-in status display designed for demanding workshop environments.



Security Gateway and Protected Diagnostics Readiness

- Built for modern protected diagnostic environments
- Readiness for SFD / SGW / dealer firewall type workflows where supported
- Restores access to protected diagnostics, coding and adaptations when paired with valid security access conditions
- Useful for late-model vehicles that require secure gateway handling

Vehicle Coverage and Expansion

Passenger Vehicles	OE-level diagnostics for a wide passenger vehicle coverage base
EV Coverage	Includes EV diagnostics and EV software updates for 2 years
Battery Diagnostics	Advanced battery data support including live cell data, voltage, temperature, pressure difference and State of Health information where supported
Heavy-Duty Package	Optional heavy-duty package for commercial and truck applications (12 V / 24 V)

Online Programming

IQ10-S2 supports online programming functions for selected vehicle brands. Availability depends on the vehicle model, region, account, software package and network connection.

Audi	BMW	Hyundai	Jaguar
Kia	Land Rover	Mercedes-Benz	Nissan
Porsche	Renault	SEAT	Skoda
Subaru	Volkswagen	SAIC MG	Maxus
Trumpchi	Sprinter	Honda	

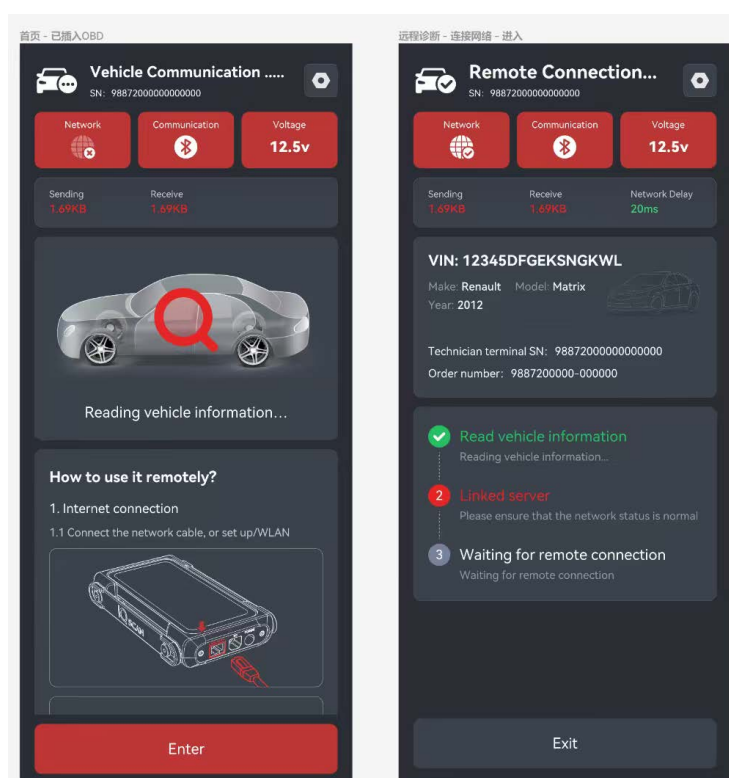
Remote Video Diagnostics

- Audio/video remote diagnostic support
- Remote assistance for diagnostic work and troubleshooting
- Remote support for programming tasks where available
- Support for anti-theft matching assistance where available
- Support for ADAS calibration assistance where available

Special Service and Maintenance Functions

IQ12-S2 includes a broad range of maintenance and reset functions. Actual availability depends on vehicle brand, model, year and software coverage. The list below shows the main supported service categories and examples.

1. Oil Reset	24. Engine Angle Calibration
2. EPB / Brake Reset	25. NOx Sensor Reset
3. SAS Reset	26. Odometer / ODO Function
4. DPF Regeneration	27. Seat Occupancy Calibration
5. GPF Regeneration	28. Stop/Start Reset
6. Battery Matching / BMS	29. Sunroof Initialization
7. TPMS Reset	30. Suspension Calibration
8. Injector Coding	31. Transport Mode
9. ABS Bleeding	32. Tire Reset
10. AdBlue Reset	33. Window Calibration
11. A/F Reset	34. Gateway Module Calibration
12. AFS Reset	35. FRM Matching
13. Airbag Reset	36. ECU Reset
14. Coolant Bleed	37. Clutch Matching
15. EGR Adaptation	38. Rain / Light Sensor Reset
16. Electronic Throttle Adaptation	39. Turbocharging Matching
17. Gear Learning	40. AC System Relearn / Initialization
18. Gearbox Reset / Transmission Adaptation	41. Seats Calibration
19. Engine Power Balance	42. Throttle Relearn
20. High-Voltage Battery Diagnostics	43. ODO Check / ODO Control
21. IMMO Related Service Functions	44. Language / Region Adaptation
22. Intelligent Cruise Control Calibration	45. Miscellaneous model-specific maintenance functions
23. Language Change	



Optional Modules and Expansion

SmartSafe ADAS	Supports SmartSafe ADAS Pro+ and SmartSafe ADAS Pro+ V2
TPMS	TPMS service functions with compatible hardware and software package
Key Programming	Expandable key programming / immobilizer functions with compatible accessory
Video Scope	Inspection camera support for hard-to-reach areas
Oscilloscope / Scope Box	Electrical signal testing and waveform diagnosis
Battery Tester	Battery, charging and cranking system testing
USB Printer	Print selected reports and diagnostic information

Standard Package Content

- IQ12-S2 diagnostic tablet
- IQ-Link VCI
- OBD-II main diagnostic cable
- USB / Type-C charging and communication cable
- Power adapter
- Carrying / storage case



Important Notes

- Function availability depends on software package, region, account status, vehicle brand, vehicle model and network conditions.
- Online programming, coding, secure gateway access, ADAS, TPMS and key programming related functions may require extra activation, valid subscriptions or additional hardware.
- Heavy-duty coverage is optional unless included in the final commercial package.
- Package content may vary by market and distributor configuration.

Platform	IQ12-S2 flagship 12-inch diagnostic platform
Core Strengths	OE-level diagnostics, online programming, AI workflow, IQ-Link VCI, EV diagnostics
ADAS	Supports SmartSafe ADAS Pro+ and SmartSafe ADAS Pro+ V2
Software Updates	2 years free updates for passenger and EV software

