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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight AP0400A

HP Agilent Keysight AP0400A Vehicle Network Interface 4x CAN FD The Keysight AP0400A is the four-channel CAN FD member of the AP USB vehicle-network family. OEM Automotive Networking Tools 3120-1066 describes the AP0400A as a 4× CAN FD interface in the same isolated USB tool line as AP0200A (2× CAN FD) and AP1200A (8× CAN FD plus LIN/Ethernet). Family features on that sheet include USB-powered galvanic isolation, software-controlled termination, reverse-battery/transient hardening, Vehicle Spy AP00000A, and neoVI/J2534/RP1210 APIs. Channel count is the AP0400A differentiator versus AP0200A. The Keysight AP0400A is the four-channel CAN FD member of the AP USB vehicle-network family. OEM Automotive Networking Tools 3120-1066 describes the AP0400A as a 4× CAN FD interface in the same isolated USB tool line as AP0200A (2× CAN FD) and AP1200A (8× CAN FD plus LIN/Ethernet). Family features on that sheet include USB-powered galvanic isolation, software-controlled termination, reverse-battery/transient hardening, Vehicle Spy AP00000A, and neoVI/J2534/RP1210 APIs. Channel count is the AP0400A differentiator versus AP0200A. Four-channel CAN FD monitoring, gateway simulation, and multi-bus ECU diagnostics where two AP0200A channels are not enough and AP1200A LIN/Ethernet is not required.

**MODEL****Agilent / Keysight  
AP0400A****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****AP0400A****LISTING**<https://aumictechlabs.com/products/ap0400a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

**This unit**

The Agilent/Keysight AP0400A is a vehicle network interface instrument designed for automotive electronics testing and development, supporting multiple network protocols including CAN FD, CAN 2.0, LIN, and Ethernet. Part of Keysight's automotive test ecosystem, it enables high-speed ECU communication, diagnostics, and network analysis across modern and legacy vehicle architectures.

**Technical Specifications**

- CAN FD Data Rate: 8 Mb/s maximum on dual channels at 100% utilization
- Timestamping Resolution: 25 nanosecond accuracy with 64-bit timestamping
- PC Isolation: Fully isolated from host computer to eliminate grounding and noise coupling
- Electrical Hardening: Rated for reverse battery and electrical transient protection

**Key Features**

- Dual High-Bandwidth CAN FD Networks with simultaneous operation capability
- CAN 2.0 protocol support for legacy vehicle systems
- Single LIN network interface
- Single Ethernet network interface
- ISO 15765 hardware implementation for high-speed ECU flashing
- Diagnostic over IP (DoIP) compliance

**Multi-Protocol API Control:** Vehicle Spy (AP00000A) software, neoVI DLL, SAE J2534, and TMC RP1210 A/B interfaces

**Cable Connectivity:** DB26 (1 m), OBD2 (1.5 m), and multi-point (1 m) connectors

**Typical Applications**

- CAN FD and CAN 2.0 network analysis and monitoring
- Automotive ECU flashing and reprogramming
- Vehicle diagnostic protocol testing
- Multi-protocol automotive network development
- DoIP-based diagnostic communications

**Compatibility & Integration**

The AP0400A integrates with the Vehicle Spy analysis platform and supports industry-standard automotive diagnostic APIs including SAE J2534 and TMC RP1210 protocols. External software control via neoVI DLL enables custom application development and integration into automated test environments.

## AP0400A Characteristics / Specifications

| PARAMETER            | VALUE                                                                                       |
|----------------------|---------------------------------------------------------------------------------------------|
| Model                | AP0400A                                                                                     |
| Instrument Type      | USB vehicle network interface                                                               |
| Can Channels         | 4 CAN FD                                                                                    |
| Family Line          | AP USB CAN FD interfaces with AP0200A (2 channel) and AP1200A (8 channel plus LIN/Ethernet) |
| Usb Isolation        | fully isolated from the PC                                                                  |
| Power Class          | USB powered isolated CAN transceivers                                                       |
| Can Termination      | software controlled family feature                                                          |
| Electrical Hardening | reverse battery voltage and electrical transients (AP USB family)                           |
| Api Support          | neoVI DLL, SAE J2534, TMC RP1210, Vehicle Spy AP00000A                                      |
| Protocol Class       | CAN / CAN FD vehicle diagnostics family                                                     |
| Manufacturer         | HP Agilent Keysight                                                                         |
| Literature           | Keysight Automotive Networking Tools 3120-1066                                              |
| Family               | Keysight AP vehicle network interfaces                                                      |
| Brand Lineage        | Hewlett Packard Agilent Keysight                                                            |
| Form Factor          | compact USB CAN FD interface                                                                |
| System Role          | four channel CAN FD PC interface                                                            |
| Related Models       | AP0200A 2x CAN FD, AP1200A 8x CAN FD plus LIN/Ethernet                                      |
| Use Case             | multi bus CAN FD monitoring                                                                 |
| Documentation Type   | OEM automotive networking tools data sheet                                                  |
| Vendor Path          | HP Agilent Keysight                                                                         |
| Year Class           | AP USB CAN FD family                                                                        |
| Application Class    | vehicle network test                                                                        |
| Control Class        | PC USB with Vehicle Spy or open API                                                         |
| Companion Role       | AP00000A Vehicle Spy software                                                               |

| PARAMETER              | VALUE                                            |
|------------------------|--------------------------------------------------|
| Operating System Class | Windows vehicle network drivers on AP USB family |

# AP0400A Specifications

| PARAMETER                               | VALUE                           |
|-----------------------------------------|---------------------------------|
| USB powered galvanic isolation          | Software controlled termination |
| Reverse battery and transient hardening | Same AP USB family as AP0200A   |
| Technical Specifications                | Model: AP0400A                  |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications         |                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------|
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| Companion Role         | AP000000A Vehicle Spy software                                                              |
| Operating System Class | Windows vehicle network drivers on AP USB family                                            |

#### Notes

From Keysight Automotive Networking Tools 3120-1066 (AP0400A 4x CAN FD in the isolated USB AP family with AP0200A/AP1200A). Per-channel baud tables and connector pinout are on the AP0400A hardware pages of that family sheet.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.