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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight J2301B

Agilent J2301B Advisor WAN Undercradle / WAN Analyzer The Agilent J2301B isaWAN Advisor undercradle/analyzer in the J2300 Internet Advisor family. OEM Advisor literature groups J2301B with J2303A WAN analyzers used under J2300-class mainframes for WAN protocol capture (Frame Relay, HDLC, V.35/X.21 class WAN). It is the WAN counterpart to J6801A LAN Distributed Network Analyzer hardware. WAN link protocol analysis and undercradle WAN capture on Internet Advisor mainframes. Instrument Type: WAN Advisor undercradle / analyzer The Agilent J2301B isaWAN Advisor undercradle/analyzer in the J2300 Internet Advisor family. OEM Advisor literature groups J2301B with J2303A WAN analyzers used under J2300-class mainframes for WAN protocol capture (Frame Relay, HDLC, V.35/X.21 class WAN). It is the WAN counterpart to J6801A LAN Distributed Network Analyzer hardware. WAN link protocol analysis and undercradle WAN capture on Internet Advisor mainframes. Instrument Type: WAN Advisor undercradle / analyzer Related Lan: J6801A Distributed Network Analyzer



MODEL

**Agilent / Keysight
J2301B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

J2301B

LISTING

<https://aumictechlabs.com/products/j2301b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight J2301B Internet Advisor is a portable PC-based network analyzer for WAN and LAN testing, troubleshooting, and protocol analysis. It delivers real-time statistical analysis, bit error rate testing, and stimulus-response measurements across multiple network interfaces and protocols. Technical Specifications WAN Testing Frame Relay, ISDN, and general WAN

protocols up to 2 Mbps T1 and CEPT-E1 interfaces (G.703 and G.704) RS-232/V.24, V.35, and RS-449 serial interfaces Integrated WAN and LAN protocol analysis Bit Error Rate Testing (BERT) capability Stimulus and response measurements LAN Testing Ethernet and Token Ring network troubleshooting Real-time traffic monitoring and protocol decoding Analysis & Monitoring Real-time statistical analysis of network traffic Protocol error analysis and link utilization reporting Protocol analyzer functionality Physical Specifications Dimensions: 16 × 12 × 8 inches Weight: 12 lbs Color display Portable form factor

Key Features The J2301B integrates WAN, LAN, ATM, ISDN, and analog T1/TDS testing in a single platform. Optional interfaces expand capability for advanced ISDN, ATM, and additional measurement requirements. It functions as both a protocol analyzer and BERT test set, supporting multiple serial interface standards and digital carrier formats.

Typical Applications Network engineers and technicians use the J2301B for WAN circuit verification, LAN troubleshooting, protocol compliance testing, and link quality assessment on Frame Relay and ISDN networks. The combination of BERT and protocol analysis makes it suitable for both carrier-grade WAN diagnostics and enterprise LAN monitoring.

Compatibility & Integration The J2301B works with undercradles and side modules including the HP J2309B Ethernet/Token Ring undercradle and HP E4594A T1 Telco Undercradle. Supported modules include the HP J2904B ISDN BRI/ST Simulation/BERT Module and HP J2294D E1/T1 Interface Module, allowing customization for specific test scenarios.

J2301B Characteristics / Specifications

PARAMETER	VALUE
Model	J2301B
Instrument Type	WAN Advisor undercradle / analyzer
Family	Agilent J2300 Internet Advisor
Related Wan	J2303A
Related Lan	J6801A Distributed Network Analyzer
Host	J2300-class Advisor mainframe
Form Factor	Advisor undercradle / WAN module
Manufacturer	Agilent Keysight HP
Use Case	WAN protocol analysis
Capture	WAN frame capture class
Control	Advisor software
Operating Temperature Class	portable Advisor class
Literature	Agilent J2301B Advisor WAN listings
Ports	WAN serial/V.35/X.21 class per undercradle
Decode	Frame Relay HDLC WAN stacks class
Deployment	undercradle on Advisor mainframe
Documentation Type	OEM Advisor catalog
Brand Lineage	HP Agilent Keysight Network Advisor
System Role	WAN acquisition for Advisor
Revision	B
Interface Class	WAN DTE/DCE class
Calibration Source	OEM published specifications
Operating temperature	Class: portable Advisor class

J2301B Specifications

PARAMETER	VALUE
Agilent J2301B Advisor WAN Undercradle / WAN Analyzer	Overview
Key Features	J2300 Internet Advisor WAN family
Works with Advisor mainframe	Companion J2303A
Technical Specifications	Model: J2301B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: portable Advisor class
Operating Temperature	Class: portable Advisor class
Operating Temperature Class	portable Advisor class
Literature	Agilent J2301B Advisor WAN listings
Ports	WAN serial/V.35/X.21 class per undercradle
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Deployment	undercradle on Advisor mainframe
Documentation Type	OEM Advisor catalog
Brand Lineage	HP Agilent Keysight Network Advisor
System Role	WAN acquisition for Advisor
Revision	B
Interface Class	WAN DTE/DCE class
Calibration Source	OEM published specifications Notes From Agilent J2301B Advisor WAN undercradle/analyzer listings in the J2300 family. Line rate, connector personality, and buffer depth are on the J2301B Advisor WAN data sheet.

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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Available from Aumictech

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

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

Aumictech

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NIST-traceable calibration · SAM registered ·
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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.