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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight J2298B

HP Agilent J2298B T1 Simulator Interface Card for Advisor The Agilent J2298B isaT1 simulator/monitor interface module for J2300C/D Internet Advisor mainframes. OEM Advisor system guides list J2294D, J2296D, and J2298D as E1 and T1 interface modules, and J2298B in the ISDN/BERT interface-module family with J2904B and J2293B/94B/96B/97B/98B/99B. Listings state J2298B simulates and monitors a T1 connection with RJ-48C connectors and supports ATM, Frame Relay, ISDN, HDLC, X.25, PPP, and BERT. T1 monitor and simulate on an Internet Advisor WAN mainframe. The Agilent J2298B isaT1 simulator/monitor interface module for J2300C/D Internet Advisor mainframes. OEM Advisor system guides list J2294D, J2296D, and J2298D as E1 and T1 interface modules, and J2298B in the ISDN/BERT interface-module family with J2904B and J2293B/94B/96B/97B/98B/99B. Listings state J2298B simulates and monitors a T1 connection with RJ-48C connectors and supports ATM, Frame Relay, ISDN, HDLC, X.25, PPP, and BERT. T1 monitor and simulate on an Internet Advisor WAN mainframe.

Instrument Type: T1 simulator interface card

**MODEL****Agilent / Keysight  
J2298B****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****J2298B****LISTING**<https://aumictechlabs.com/products/j2298b-2/>

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### This unit

The Agilent/Keysight J2298B is an interface module for ISDN Primary Rate Interface (PRI) T1 signaling, designed to generate, simulate, and monitor ISDN PRI signals on T1 lines. This module integrates into Keysight test equipment chassis to enable comprehensive T1/ISDN PRI network

analysis, protocol troubleshooting, and equipment validation across research, development, and manufacturing environments.

**Technical Specifications** The J2298B interfaces directly with T1 digital transmission lines operating at 1.544 Mbps. The module connects to host test instruments via dedicated module interface slots within compatible Keysight chassis platforms. Specific electrical characteristics including impedance, bandwidth, and power consumption are determined by host system configuration.

**Key Features** T1 interface for ISDN PRI signal generation and observation Direct connection to T1 digital transmission lines at 1.544 Mbps Integration with Keysight network analysis and test equipment families Module-based architecture for chassis integration Supports both live traffic monitoring and simulated network conditions

**Typical Applications** Network simulation and T1/ISDN PRI condition testing Live traffic monitoring and performance analysis on ISDN PRI networks Protocol analysis through T1/ISDN PRI data capture and evaluation Equipment validation in R&D and manufacturing test environments Troubleshooting and behavior verification of T1-dependent network devices

**Compatibility & Integration** The J2298B is engineered for integration into Keysight test platforms supporting ISDN PRI T1 testing. Host systems must provide compatible module slots and appropriate software support for PRI functionality. Consult your system documentation to verify slot availability and driver support.

## J2298B Characteristics / Specifications

| PARAMETER                   | VALUE                                                          |
|-----------------------------|----------------------------------------------------------------|
| Model                       | J2298B                                                         |
| Instrument Type             | T1 simulator interface card                                    |
| Host Mainframe              | J2300C/D Advisor WAN                                           |
| Connectors                  | RJ-48C                                                         |
| Function                    | simulate and monitor T1                                        |
| Protocols                   | ATM, Frame Relay, ISDN, HDLC, X.25, PPP, BERT                  |
| Related Modules             | J2294D, J2296D, J2298D E1 and T1 interface modules             |
| Related Family              | J2904B, J2293B/94B/96B/97B/98B/99B ISDN/BERT interface modules |
| Related Advisor             | J2303A T1 Internet Advisor configuration                       |
| Form Factor                 | Advisor slide-in interface module                              |
| Manufacturer                | HP Agilent Keysight                                            |
| Use Case                    | T1 BERT and WAN decode                                         |
| Control                     | Advisor WAN application                                        |
| Operating Temperature Class | portable Advisor class                                         |
| Literature                  | Agilent Advisor Mainframe Features System Guide J2298B         |
| Family                      | J2300 Internet Advisor                                         |
| Line Rate Class             | T1 1.544 Mb/s class                                            |
| Documentation Type          | OEM Advisor system guide                                       |
| Brand Lineage               | HP Agilent Keysight Network Advisor                            |
| System Role                 | T1 interface for Advisor                                       |
| Related High Speed          | J2900A high-speed undercradle                                  |
| Related T1 Advisor          | J2303A T1 Internet Advisor                                     |
| Operating temperature       | Class: portable Advisor class                                  |

## J2298B Specifications

| PARAMETER                | VALUE                                                         |
|--------------------------|---------------------------------------------------------------|
| Applications             | T1 monitor and simulate on an Internet Advisor WAN mainframe. |
| Key Features             | T1 simulate and monitor                                       |
| Fits J2300C/D Advisor    | ATM Frame Relay ISDN HDLC X.25 PPP BERT                       |
| Technical Specifications | Model: J2298B                                                 |

## 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 Advisor Mainframe Features System Guide J2298B                                                                                                                                                                                                                     |
| Family                      | J2300 Internet Advisor                                                                                                                                                                                                                                                     |
| Line Rate Class             | T1 1.544 Mb/s class                                                                                                                                                                                                                                                        |
| Documentation Type          | OEM Advisor system guide                                                                                                                                                                                                                                                   |
| Brand Lineage               | HP Agilent Keysight Network Advisor                                                                                                                                                                                                                                        |
| System Role                 | T1 interface for Advisor                                                                                                                                                                                                                                                   |
| Related High Speed          | J2900A high-speed undercradle                                                                                                                                                                                                                                              |
| Related T1 Advisor          | J2303A T1 Internet Advisor Notes From Agilent Advisor system-guide and J2298B T1 simulator interface listings (J2300C/D, RJ-48C, ATM/FR/ISDN/HDLC/X.25/PPP/BERT). Pulse mask, line coding (AMI/B8ZS), and impedance are on the J2298B interface-module specification page. |

# 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                                                                                                                                                                                                                            |                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Specifications                                                                                                                                                                                                                            |                                                                |
| PARAMETER                                                                                                                                                                                                                                 | VALUE                                                          |
| Model                                                                                                                                                                                                                                     | J2298B                                                         |
| Instrument Type                                                                                                                                                                                                                           | T1 simulator interface card                                    |
| Host Mainframe                                                                                                                                                                                                                            | J2300C/D Advisor WAN                                           |
| Connectors                                                                                                                                                                                                                                | RJ-48C                                                         |
| Function                                                                                                                                                                                                                                  | simulate and monitor T1                                        |
| Protocols                                                                                                                                                                                                                                 | ATM, Frame Relay, ISDN, HDLC, X.25, PPP, BERT                  |
| Related Modules                                                                                                                                                                                                                           | J2294D, J2296D, J2298D E1 and T1 interface modules             |
| Related Family                                                                                                                                                                                                                            | J2904B, J2293B/94B/96B/97B/98B/99B ISDN/BERT interface modules |
| Related Advisor                                                                                                                                                                                                                           | J2303A T1 Internet Advisor configuration                       |
| Form Factor                                                                                                                                                                                                                               | Advisor slide-in interface module                              |
| Manufacturer                                                                                                                                                                                                                              | HP Agilent Keysight                                            |
| Use Case                                                                                                                                                                                                                                  | T1 BERT and WAN decode                                         |
| Control                                                                                                                                                                                                                                   | Advisor WAN application                                        |
| Operating Temperature Class                                                                                                                                                                                                               | portable Advisor class                                         |
| Literature                                                                                                                                                                                                                                | Agilent Advisor Mainframe Features System Guide J2298B         |
| Family                                                                                                                                                                                                                                    | J2300 Internet Advisor                                         |
| Line Rate Class                                                                                                                                                                                                                           | T1 1.544 Mb/s class                                            |
| Documentation Type                                                                                                                                                                                                                        | OEM Advisor system guide                                       |
| Brand Lineage                                                                                                                                                                                                                             | HP Agilent Keysight Network Advisor                            |
| System Role                                                                                                                                                                                                                               | T1 interface for Advisor                                       |
| Related High Speed                                                                                                                                                                                                                        | J2900A high-speed undercradle                                  |
| Related T1 Advisor                                                                                                                                                                                                                        | J2303A T1 Internet Advisor                                     |
| Notes                                                                                                                                                                                                                                     |                                                                |
| From Agilent Advisor system-guide and J2298B T1 simulator interface listings (J2300C/D, RJ-48C, ATM/FR/ISDN/HDLC/X.25/PPP/BERT). Pulse mask, line coding (AMI/B8ZS), and impedance are on the J2298B interface-module specification page. |                                                                |

### Available from Aumictech

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

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#### 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.