

# D9111BDLP / D9120BDLP

Protocol trigger and decode bundles  
for Infiniium oscilloscopes

## Introduction

These software packages for Infiniium oscilloscopes gives you the ability to trigger and decode on dozens of signals, simplifying your configuration and providing massive savings.



# Product Overview

Serial buses are pervasive in today's digital designs and are used for a variety of purposes, including chip-to-chip communication, CPU to peripheral control, as well as for remote sensor data transfer and control. Without intelligent oscilloscope serial bus triggering and protocol decode, it can be difficult to debug these buses and correlate data transfers with other mixed signal interactions in your system.

The D9111BDLP Basic Protocol Decode Bundle is designed for the Infiniium S-Series and MXR-Series families, and bundles protocol triggering and decodes from five packages. The D9120BDLP Complete Protocol Decode Bundle is designed for Infiniium V-Series, Z-Series, and UXR-Series families, and bundles every available protocol trigger and decode available.

## What is included

Package	Description	Protocols supported	D9111BDLP	D9120BDLP
D9110LSSP	Low Speed Serial	I2C, SPI, Quad SPI, eSPI, RS232, UART, JTAG, I2S, SVID, Manchester	✓	✓
D9110EMBP	Embedded Design	USB 2.0, eUSB2, USB-PD, 10/100 Ethernet, PCIe Gen 1/2, DP 2.0 AUX, MDIO	✓	✓
D9110MILP	Military / Aerospace	ARINC 429, MIL-STD-1553, SpaceWire	✓	✓
D9110AUTP	Automotive (Low Speed)	CAN, CAN-FD, CAN-XL, LIN, SENT	✓	✓
D9120AUTP	Automotive (High Speed)	100BASE-T1, 1000BASE-T1, BroadR-Reach		✓
D9110MPLP	MIPI (Low Speed)	RFEE, I3C, SPMI	✓	✓
D9110MPMP	MIPI (High Speed)	DigRF, LLI, CSI-3, UniPro, UFS, SSIC		✓
D9110MCDP	MIPI (C-PHY, D-PHY)	MIPI C-PHY, MIPI D-PHY		✓
D9110USBP	USB	USB4, USB 3.x, USB 2.0, eUSB2, USB-PD, DP 2.0 AUX		✓
D9110PCIP	PCI Express	PCIe Gen 1/2/3/4/5, SATA, SAS		✓
D9110EKRP	64b/66b and Link Training	10G/100GBASE-KR 64b/66b, Link Training		✓
D9120FECP	400 GE 100G optical) FEC	400GE FEC		✓

Keysight is constantly enhancing our protocol trigger and decode packages, so please refer to the data sheet for a specific package for more details. Additionally, each protocol has specific requirements for the minimum bandwidth it will run on, as well as recommended probes, accessories, and test fixtures. All of this information is contained on the datasheets for the package they belong to, located at [Keysight.com](https://www.keysight.com).

Finally, please note that D9111BDLP and D9120BDLP are only offered as a perpetual, node-locked license. This means it cannot be shared between different oscilloscopes. If this is required, please purchase the separate packages noted below, which are available in all different types and terms. See the Ordering Information section for more information.

## What to order

Each package applies to different models, so please cross reference this chart to ensure compatibility.

Infiniium family	D9111BDLP	Infiniium family	D9120BDLP
9000 Series	✓	90000 Series	✓
S-Series	✓	V-Series	✓
MXR-Series	✓	Z-Series	✓
EXR-Series	✓	UXR-Series	✓

To ensure you continue to receive all the latest software updates and enhancements on your MXR and UXR-Series scopes, you will need to have a current core software subscription. A node-locked perpetual core software license and a minimum 1-year updates and enhancements subscription is included with new MXR and UXR-Series scopes. The subscription can be extended to 3 or 5 years at the time of purchase and can then be renewed later for a fee.

## Flexible software licenses

Keysight offers a variety of flexible licensing options to fit your needs and budget. Choose your license term, and license type.

### License terms

**Perpetual** – Perpetual licenses can be used indefinitely.

**Subscription** – Subscription licenses can be used through the term of the license only (6, 12, 24, or 36 months).

### License types

**Node-locked** – License can be used on one specified instrument/computer.

**Transportable** – License can be used on one instrument/computer at a time but may be transferred to another using Keysight Software Manager (internet connection required).

**USB Portable** – License can be used on one instrument/computer at a time but may be transferred to another using a certified USB dongle (available for additional purchase with Keysight part number E8900-D10).

**Floating (single site)** – Networked instruments/computers can access a license from a server one at a time. Multiple licenses can be purchased for concurrent usage.

## Selecting your license

Step 1. Choose your software product (e.g. D9111BDLP)

Step 2. Choose your license term: perpetual or time-based.

Step 3. Choose your license type: node-locked, transportable, USB portable, or floating.

To ensure you continue to receive all the latest software updates and enhancements on your MXR and UXR-Series scopes, make sure your core software subscription is current.

## Example

<b>If you selected:</b>	<b>Your quote will look like this:</b>	
	<b>Part number</b>	<b>Description</b>
D9111BDLP node-locked perpetual license	D9111BDLP	Basic Protocol Decode Bundle
	R-B5P-001-A	Node-locked perpetual license
D9111BDLP transportable subscription 6- month license	D9111BDLP	Basic Protocol Decode Bundle
	R-B7P-004-F	6-months, transportable subscription license

To configure your product and request a quote:

[www.keysight.com/find/software](http://www.keysight.com/find/software)

Contact your Keysight representative or authorized partner for more information or to place an order:

[www.keysight.com/find/contactus](http://www.keysight.com/find/contactus)

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at [www.keysight.com](http://www.keysight.com).



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