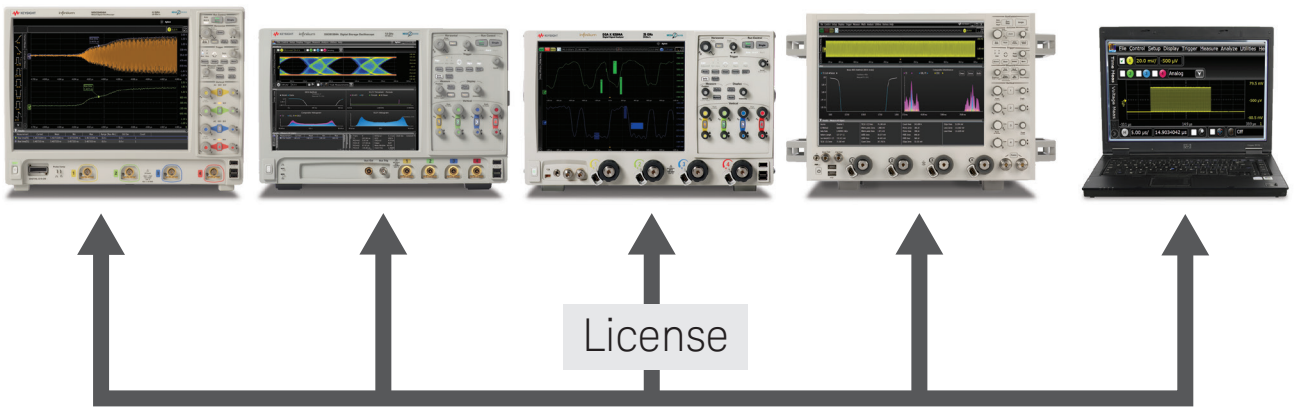


# Keysight N5435A

## Infiniium Server-Based License for Infiniium Oscilloscopes

Data Sheet





## Introduction

The Keysight Technologies, Inc. N5435A Infiniium server-based license allows you to move your oscilloscope application license from one Infiniium oscilloscope to another, using a license server. Just check out the license from the server when you need it, and return it when you are finished with it. You can check out the license in increments of days. If you forget to return the licenses, the oscilloscope will automatically return them for you when the allotted time expires.

License files for the N5435A Infiniium server-based license are supported across Infiniium Series oscilloscope platforms, as well as the N8900A Infiniium Offline oscilloscope analysis software, so you can protect your application software investment.

## Infiniium Application Server License: How It Works

The N5435A Infiniium server-based license is ideal for companies with multiple Infiniium oscilloscopes. You can share license files across oscilloscopes, anywhere in the world.

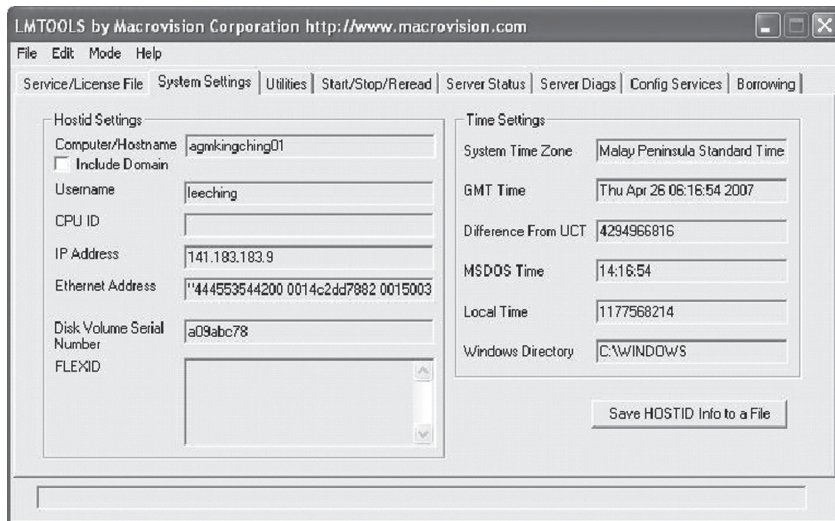


Figure 1. License server configuration example.

To borrow licenses, the oscilloscope needs to be connected to a LAN to access the license server. Once you obtain the necessary licenses, you do not need to remain connected to the LAN. Just reconnect when you decide to return your borrowed licenses to the license server. If you forget to return the license within your borrowing period (in units of days), that is not a problem. Both the license server and the Infiniium oscilloscope have their own time counters tracking the valid period for the license. Once a particular license expires, the license server automatically returns the credit to that specific license file. At the same time, the Infiniium oscilloscope automatically loses the license.

Figures 2 to 5 show you the complete flow of borrowing and returning application software on an Infiniium oscilloscope that is connected to the LAN.

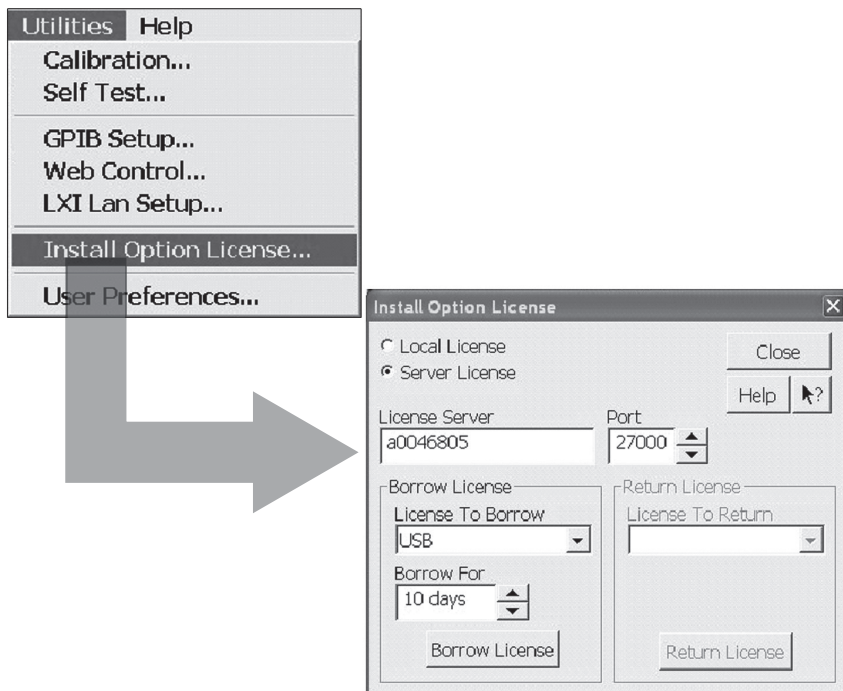


Figure 2. Install Option License dialog box.

## Infiniium Application Server License: How It Works (Continued)

If you already have some node-locked licenses installed on your Infiniium oscilloscope, that is not a problem. The N5435A Infiniium application server license automatically populates the list with available server-based licenses that your oscilloscope does not have.

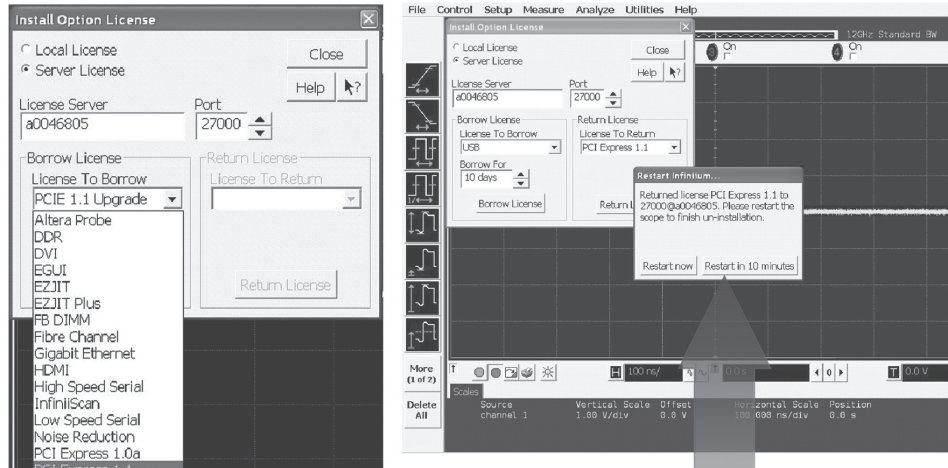


Figure 3. The License to Borrow menu automatically populates those licenses not already installed on the Infiniium scope.

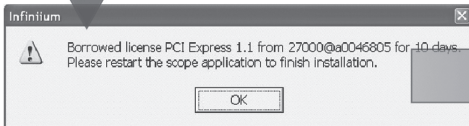


Figure 4. The confirmation window gives you borrowing period information. You must restart your Infiniium oscilloscope to activate the licenses.

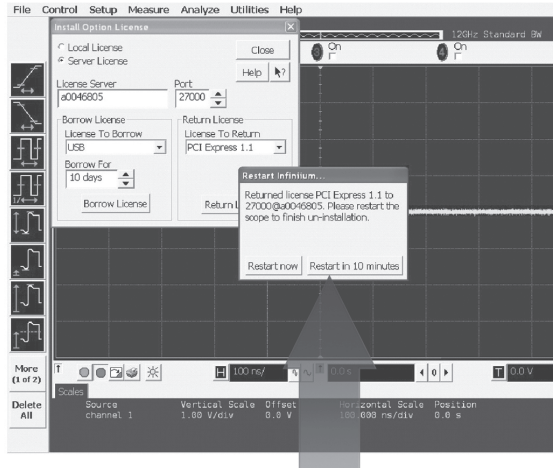


Figure 5. The return confirmation. Restart your Infiniium oscilloscope to finish the process.

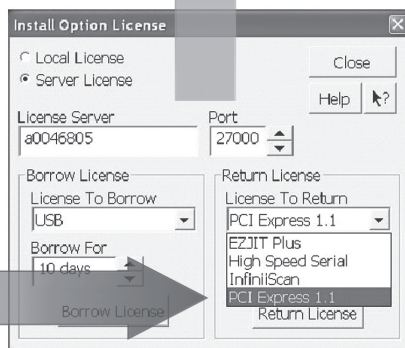


Figure 6. The License To Return dialog box is populated with only the server licenses you borrowed. No node-locked licenses are shown in the list.

## Which License Type Is Best For You?

There are several different types of Infiniium oscilloscope application software licenses available from Keysight. Choose the type that works best for your situation.

Server-based licenses are generally recommended for companies that want to share licenses across multiple Infiniium oscilloscopes and/or the N8900A Infiniium Offline application.

Node-locked licenses are recommended for teams that want to ensure specific oscilloscopes retain specific licenses indefinitely.



Figure 7. N5435A server-based licenses can work across Infiniium Series oscilloscopes as well as the N8900A Infiniium Offline application.

## Key Specifications/System Requirements

### N5435A supports

- DSO/MSO9000 Series
- DSO/MSO9000-H Series
- DSO/MSO S-Series
- DSO/DSA90000A Series
- DSO/DSA/MSO90000-X Series
- DSO/DSA90000-Q Series
- DSO/DSA/MSO V-Series
- DSO/DSA Z-Series
- N8900A Infiniium Offline

## Ordering Information

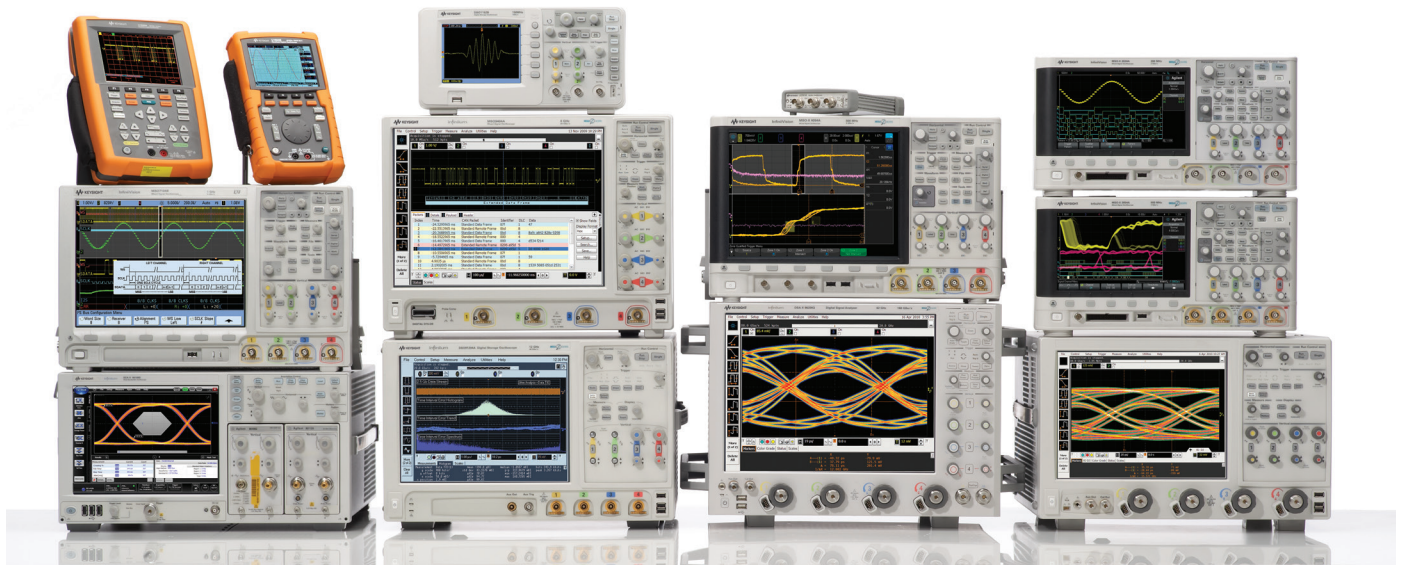
Model	Description
N5435A	Infiniium application server license
N5435A-001	EZJIT Plus jitter analysis
N5435A-002	EZJIT jitter analysis
N5435A-003	Serial data analysis
N5435A-004	InfiniiScan
N5435A-005	User-defined function
N5435A-006	I <sup>2</sup> C/SPI triggering and decode
N5435A-008	Ethernet electrical compliance
N5435A-009	PCI Express® electrical compliance for Gen 1 and 2
N5435A-011	HDMI 1.2 electrical compliance
N5435A-017	USB 2.0 compliance test
N5435A-018	XAUI electrical validation
N5435A-021	DDR1 compliance test
N5435A-022	MIPI® D-PHY <sup>SM</sup> compliance test
N5435A-023	10-GBASE-T automated test
N5435A-025	Infiniium serial data equalization
N5435A-026	InfiniiSim basic signal de-embedding
N5435A-027	InfiniiSim advanced signal de-embedding
N5435A-028	SATA 6G compliance
N5435A-030	USB 3.0 compliance

Model	Description
N5435A-031	RS-232/UART triggering and decode
N5435A-032	PCI Express triggering and decode
N5435A-033	CAN, LIN, and FlexRay triggering and decode
N5435A-034	USB 2.0 triggering and decode
N5435A-035	SATA/SAS triggering and decode
N5435A-036	MIPI D-PHY triggering and decode
N5435A-037	DDR2 and LPDDR2 compliance
N5435A-038	JTAG triggering and decode
N5435A-039	SAS-2 compliance test
N5435A-040	PCI Express compliance for Gen 1, 2, and 3
N5435A-041	DisplayPort compliance
N5435A-042	USB HSIC compliance
N5435A-043	MIPI M-PHY® compliance test
N5435A-044	PrecisionProbe software
N5435A-045	Ethernet 64/66 protocol and decode
N5435A-046	PCI Express Gen 3 protocol and decode
N5435A-047	DigRF protocol decode
N5435A-048	MIPI UniPro <sup>SM</sup> protocol decode
N5435A-049	MIPI LLI protocol decode

## Ordering Information (Continued)

Model	Description
N5435A-050	MHL compliance
N5435A-052	SD UHS-II card compliance
N5435A-053	DDR3 and LPDDR3 compliance
N5435A-054	SVID trigger and decode
N5435A-056	DDR4 compliance
N5435A-057	Thunderbolt compliance
N5435A-058	User-defined application
N5435A-059	10-GBASE-KR compliance
N5435A-060	EEE and ethernet compliance
N5435A-061	eMMC compliance
N5435A-062	BroadR-Reach compliance
N5435A-063	UFS protocol decode
N5435A-064	SSIC protocol
N5435A-065	MIPI CSI-3 protocol
N5435A-067	EZJIT complete noise analysis
N5435A-068	MOST compliance
N5435A-070	HDMI 2.0 compliance test
N5435A-071	USB 3.0 protocol decode
N5435A-072	MIPI RFFE protocol decode
N5435A-073	SAS-3 compliance
N5435A-074	SFP+ compliance
N5435A-075	USB 3.1 compliance
N5435A-076	Infiniium Offline scope analysis software
N5435A-077	MultiScope for Infiniium
N5435A-078	40/100-GBASE-CR 4/10 compliance
N5435A-079	100-GBASE-KR4 compliance
N5435A-080	100-GBASE-CR4 compliance
N5435A-081	40-GBASE-CR4 and 100-GBASE-CR10 compliance application, server license
N5435A-083	Electrical performance validation compliance application eDP 1.4, server license
N5435A-084	Crosstalk analysis application, server license
N5435A-085	Multiscope software (connect 2 oscilloscopes), server license
N5435A-086	Multiscope software (connect up to 5 scopes), server license
N5435A-087	DDR4 and LPDDR4 compliance application, server license
N5435A-088	10/100 ethernet protocol triggering and decode, server license
N5435A-089	MIPI C-PHY <sup>SM</sup> compliance, server license
N5435A-090	Multiscope software (connect up to 10 scopes), server license

Model	Description
N5435A-091	eSPI and Quad eSPI protocol decode and trigger, server license
N5435A-092	USB 3.1 protocol triggering and decode, server license
N5435A-093	DisplayPort 1.4 electrical performance validation and compliance, server license
N5435A-094	IEEE 802.3bs draft PAM-4 measurements, server license
N5435A-095	OIF-CEI 56G draft PAM-4 measurements, server license
N5435A-096	USB-PD protocol triggering and decode, server license
N5435A-097	NBASE-T 5G compliance software, server license
N5435A-098	NBASE-T 2.5G compliance software, server license
N5435A-099	MGBASE-T 5G compliance software, server license
N5435A-100	MGBASE-T 2.5G compliance software, server license
N5435A-101	Hybrid memory cube compliance test, server license
N5435A-102	CAUI-4 ethernet compliance application, server license
N5435A-103	CAN, LIN, FlexRay and CAN-FD protocol triggering and decode, server license
N5435A-104	Thunderbolt 3 compliance, server license
N5435A-105	I <sup>2</sup> S protocol triggering and decode, server license
N5435A-106	ARINC 429 and MIL-STD 1553 protocol triggering and decode for Infiniium Series oscilloscopes, server license
N5435A-107	I <sup>3</sup> C protocol triggering and decode software, server license
N5435A-701	DisplayPort switch matrix software
N5435A-702	HDMI switch matrix software
N5435A-703	MIPI D-PHY switch matrix software
N5435A-704	MIPI M-PHY switch matrix software
N5435A-705	PCI Express switch matrix software
N5435A-706	10-GBASE-KR switch matrix software
N5435A-707	SFP+ switch matrix software
N5435A-708	User-defined application switch matrix software
N5435A-709	40/100-GBASE-CR 4/10 switch matrix software
N5435A-710	100-GBASE-KR4 switch matrix software
N5435A-711	100-GBASE-CR4 switch matrix software
N5435A-712	100-GBASE-T switch matrix software



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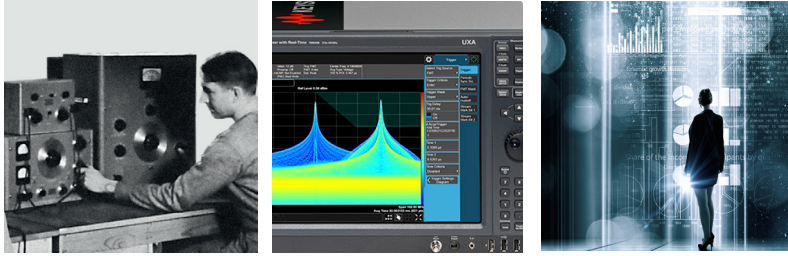
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