Agilent

N5435A Infiniium Application Server License for Infiniium Oscilloscopes

Data Sheet

- Maximum flexibility: Industryís first transportable license solution for oscilloscopes
- Maximum scalability and investment protection: Server licenses support current-, previous-, and future-generation Infiniium platforms
- Maximum freedom: Server licenses can be shared beyond your office, even overseas, for worldwide asset management

Have you spent a long time scouring the instruments in your company's equipment pool for a scope with the right configuration? Have you lost track of which scope had the compliance test application software license you need? Have you wished you could just ìborrowî the application software license from your colleague for a few hours? If you answered "yes" to any of these questions, you are not alone.

Now, Agilent offers the industryís first solution to meet your specific needs: on demand license transporting and sharing. The Agilent N5435A Infiniium application server license allows you to transport your scope application license from one Infiniium oscilloscope to another through your own Infiniium application 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 scope will automatically return them for you when the allotted time expires.

License files for the N5435A Infiniium application server license are supported by current Infiniium oscilloscope platforms, and they also will be supported by future-generation Infiniium platforms, so you can protect your application software investment

The N5435A Infiniium application server license is ideal for companies with global product development teams. With the N5435A Infiniium application server license you can share license files not only in your local office, but also within your company's locations anywhere in the world! So, you can use your favorite application solutions during the day, then let your overseas colleagues use them during the night. This is yet another way to leverage your software investment.

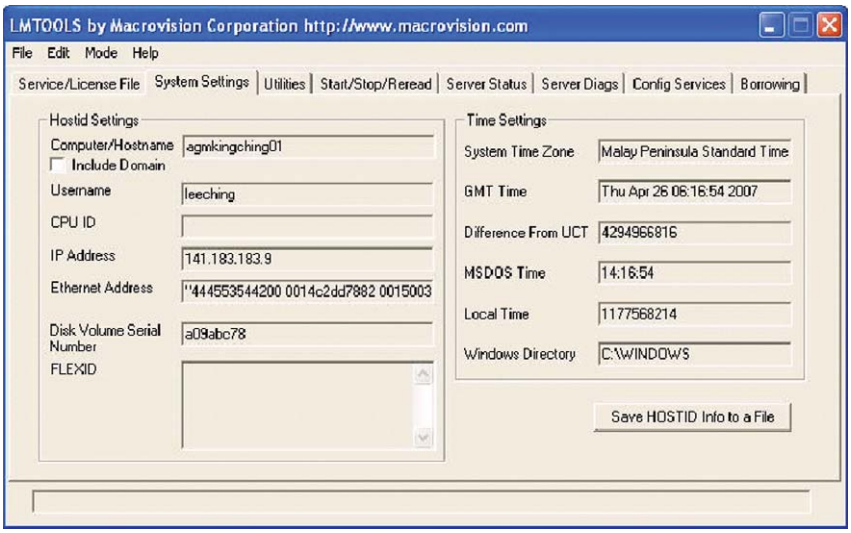


Figure 1. License server configuration example

In order for an Infiniium oscilloscope to borrow licenses, it needs to be connected to a LAN to access the license server. However, 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), it 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 scope that is connected to the LAN.

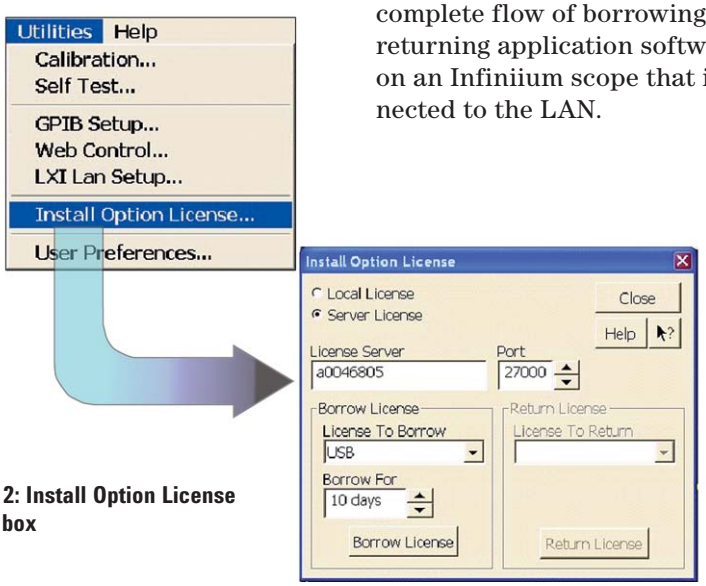


Figure 2: Install Option License dialog box

Infiniium Application Server License: How It Worksl

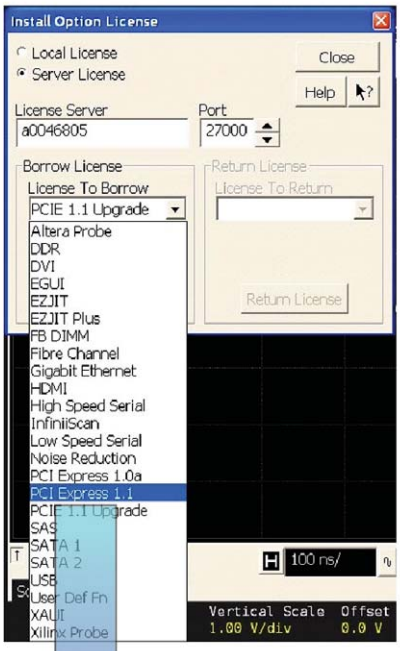


Figure 3: The License to Borrow menu automatically populates those licenses not already installed on the Infiniium scope.

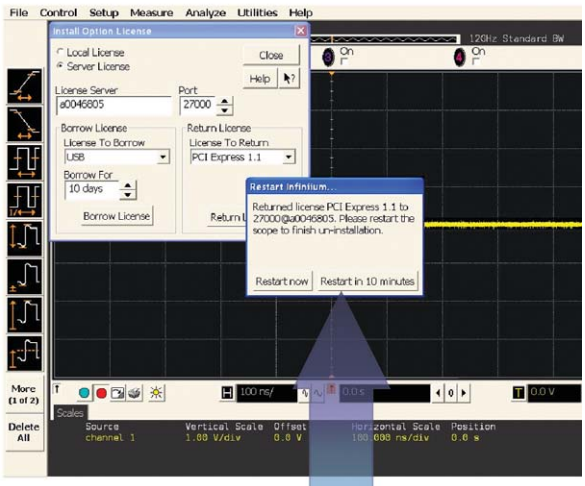


Figure 6: The return confirmation. Restart your Infiniium scope to finish the process.

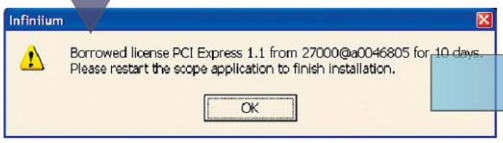


Figure 4: The confirmation window gives you borrowing period information. You must restart your Infiniium scope to activate the licenses..

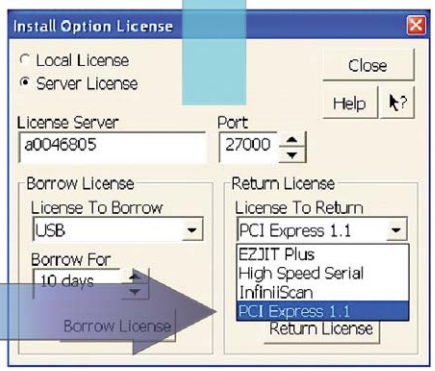


Figure 5: The License To Return dialog box is populated with only the server licenses you borrowed. No node-locked licenses are shown in the list.

If you already have some node-locked licenses installed on your Infiniium scope, it is not a problem. The N5435A Infiniium application server license automatically populates the list with only those licenses your scope does not currently have.. A

Which License Type Is Best for You?

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

Application server license is generally recommended for large multinational firms and rental companies that own many Infiniium-platform oscilloscopes. These companies will get the maximum benefit from sharing application licenses.

Infiniium 90000 or 9000 Series oscilloscopes are recommended for large firms and for users focused on high-speed serial and digital applications. The DSA90000A Series scopes are pre-bundled with key applications (high-speed SDA, EZJIT Plus, and memory option) often required for serial bus analysis and debug. A hybrid combination of DSA90000 or MSO9000 Series scopes with the application server licenses is another possible solution, which is best if your users are mainly working on serial bus applications.

Node-locked licenses are recommended for relatively small firms focusing mainly on general-purpose applications. Since application server licenses are more expensive than node-locked license, you may not be able to take the full advantage of the application-server-based license. 90000 or 9000 Series scopes are another choice for companies that focus mainly on serial bus applications.

You can use the server-based licenses interchangeably between the 90000 and 9000 Series oscilloscopes.

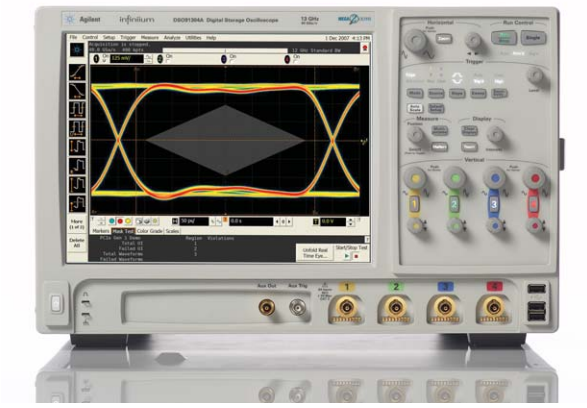


Figure 7: Infiniium DSA90000A Series oscilloscopes come pre-bundled with high-speed serial data analysis software, EZJIT Plus jitter analysis software, and a memory option.

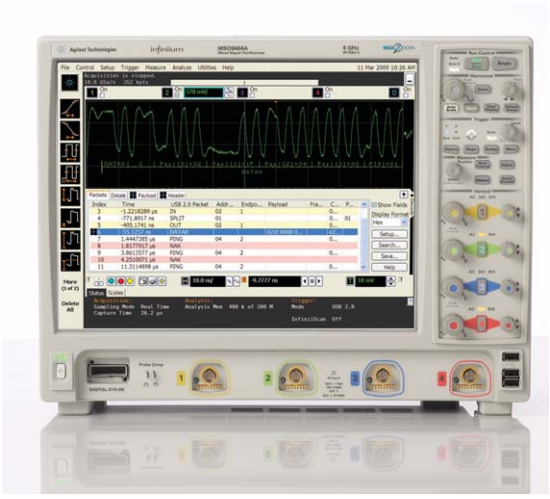


Figure 8. Infiniium MSO 9000 Series oscilloscopes come pre-bundled with full 16 channel logic capability.

Key Specifications/System Requirements

Specifications
Infiniium oscilloscope supported:DSO/DSA90000A Series, DSO80000A/B Series, 9000 and 8000 Series MSOs/DSOs, 54850A Series scopes, 54830B/D Series scopes, and future Infiniium models

Oscilloscopes	Required software revision
Infiniium DSO/DSA90000A Series	Rev. 1.00 or later
Infiniium DSO80000B Series	Rev 5.30 or later
Infiniium DSO80000A Series	Rev 5.30 or later
Infiniium DSO/MSO9000 Series	Rev 2.00 or later
Infiniium 54850A Series	Rev 5.30 or later
Infiniium 8000A Series DSOs/MSOs	Rev 5.30 or later
Infiniium 54830B/D Series	Rev 5.30 or later

For software upgrades, visit http://software.cos.agilent.com/Infiniium/

PC for license server (FLEXnet licensing) operating system
Windows® XP, SP2 recommended, or Vista

Visit http://www.macrovision.com/services/support/software_licensing.shtml for more information on licensing.

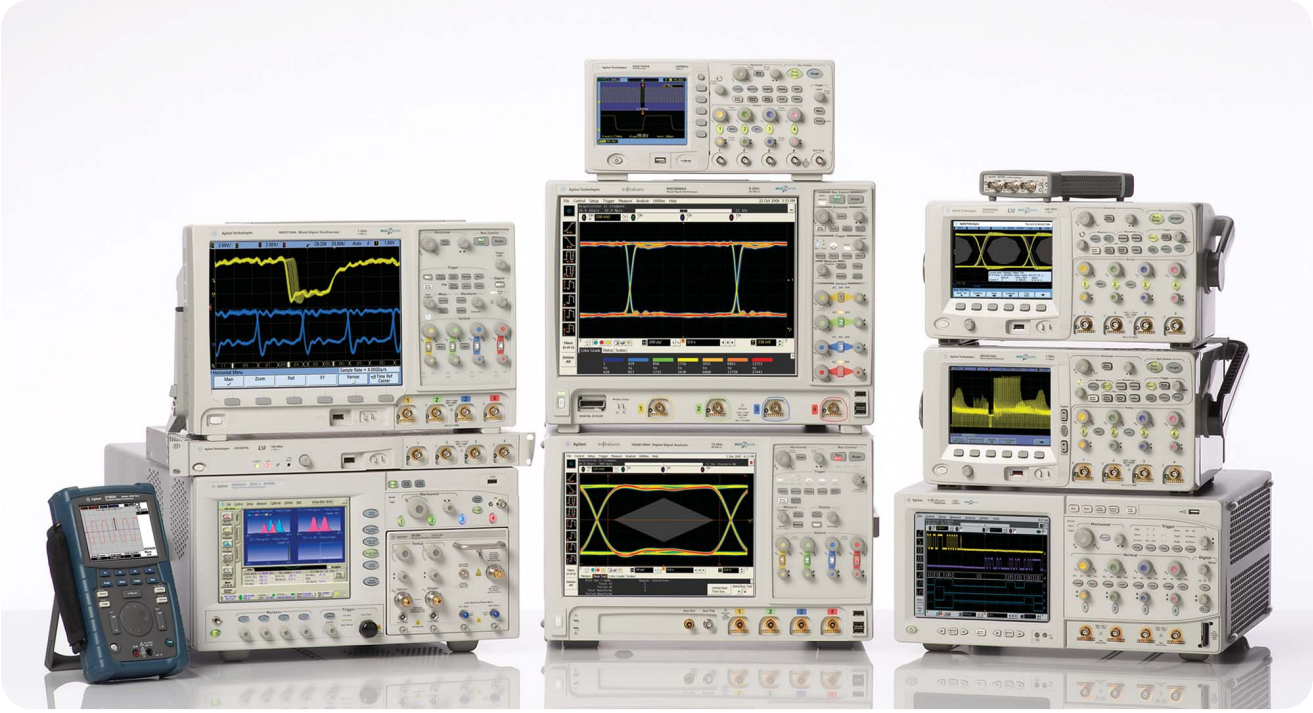
Ordering Information

Model	Description
N5435A	Infiniium application server license
Opt 001	EZJIT Plus jitter analysis software package
Opt 002	EZJIT jitter analysis software package
Opt 003	High-speed SDA and clock recovery
Opt 004	InfiniiScan event identification software
Opt 005	User-definable functions
Opt 006	Low-speed SDA
Opt 008	Ethernet electrical performance validation and compliance software
Opt 009	PCI Express electrical performance validation and compliance software
Opt 011	HDMI electrical performance validation and compliance software
Opt 012	Fully buffered DIMM compliance application
Opt 013	Fibre Channel compliance application
Opt 014	Serial ATA electrical performance validation and compliance software
Opt 015	Serial attached SCSI electrical performance validation and compliance software
Opt 016	DDR2 compliance test application
Opt 017	USB 2.0 compliance test software
Opt 018	XAUI electrical validation application
Opt 019	DisplayPort compliance test software
Opt 020	DDR3 compliance test application
Opt 021	DDR1 compliance test application
Opt 022	MIPI D-PHY compliance test software
Opt 023	10 GBASE T automated test application
Opt 024	WiMedia wrapper compliance application
Opt 025	Infiniium serial data equalization software
Opt 026	Infiniium basic InfiniiSim software
Opt 027	Infiniium advanced InfiniiSim software
Opt 028	SATA 6G compliance application
Opt 030	I2C/SPI triggering and decode
Opt 031	RS-232/UART triggering and decode
Opt 032	PCI Express triggering and decode
Opt 033	CAN/FlexRay triggering and decode
Opt 034	USB triggering and decode

Agilent Related Literature

Publication title	Publication type	Publication number
Infiniium DSO90000A Series Oscilloscope and InfiniiMax Series Probes	Data sheet	5989-7819EN
Infiniium 9000 Series Oscilloscopes	Data sheet	5990-3746EN
N5400A EZJIT Plus Jitter Analysis Software Package	Data sheet	5989-0109EN
E2681A EZJIT Jitter Analysis Software Package	Data sheet	5989-0109EN
E2688A High-Speed SDA and Clock Recovery	Data sheet	5989-0108EN
N5414A InfiniiScan Event Identification Software	Data sheet	5989-4605EN
N5430A User-Definable Functions	Data sheet	5989-5632EN
N5391A Low-Speed SDA	Data sheet	5989-1250EN
E2699A MyInfiniium Application Integration Package	Data sheet	5988-9934EN
N5392A Ethernet Electrical Performance Validation and Compliance Software	Data sheet	5989-1527EN
N5393A PCI Express Electrical Performance Validation and Compliance Software	Data sheet	5989-1249EN
N5399A HDMI Electrical Performance Validation and Compliance Software	Data sheet	5989-3047EN
N5409A Fully Buffered DIMM Compliance Application	Data sheet	5989-4128EN
N5410A Fibre Channel Compliance Application	Data sheet	5989-4209EN
N5411A Serial ATA Electrical Performance Validation and Compliance Software	Data sheet	5989-3662EN
N5412A SAS Electrical Performance Validation and Compliance Software	Data sheet	5989-4208EN
N5413A DDR2 Compliance Test Application	Data sheet	5989-3195EN
N5416A USB 2.0 Compliance Test Software	Data sheet	5989-4044EN
N5431A XAUI Electrical Validation Application	Data sheet	5989-6151EN
U7232A DisplayPort Compliance Test Software	Data sheet	5989-7189EN
U7231A DDR3 Compliance Test Application	Data sheet	5989-7243EN
U7233A DDR1 Compliance Test Application	Data sheet	5989-7366EN
U7238A MIPI D-PHY Compliance Test Software	Data sheet	5989-9337EN

To download these data sheets, use this URL: http://cp.literature.agilent.com/litweb/pdf/xxxx-xxxxEN.pdf
and replace the x's with the publication number listed above.



Agilent Technologies Oscilloscopes

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