

FICO[®] Xpress Licensing

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About FICO[®] Xpress Optimization

FICO Xpress Optimization ("Xpress") provides easy ways to create, deploy and utilize business optimization solutions based on scalable high-performance algorithms, a flexible modeling environment, and rapid application and reporting capabilities for on premise and cloud installations.

Xpress is available on the following platforms and operating systems: Microsoft Windows 32-bit and 64-bit, Linux 32-bit and 64-bit, and macOS 64-bit (except Xpress-Kalis and USB Dongles). Please contact us for enquiries about availability on other platforms.

Product description

Xpress Optimizer

Xpress Optimizer is a combinatorial solver including:

- Simplex LP, Barrier LP, SOCP, MIP, QP, MIQP, QCQP, MIQCQP, MISOCP;
- parallel/multi-threaded versions of MIP and Barrier LP algorithms;
- Builder Component library (BCL);
- C, C++, Python, VB, .NET, Java API support.

Xpress NonLinear

Xpress NonLinear is a continuous optimization solver including:

- successive linear programming and interior point second order solvers for NLP and MINLP models;
- C, C++, Python, VB, .NET API support.

Xpress Kalis

Xpress Kalis is a constraint programming solver (requires Xpress Mosel) including:

- Artelys Kalis hybrid mixed-integer & constraint programming solver;
- parallel/multi-threaded support.

Xpress Insight

Xpress Insight is a complete deployment platform for Xpress-based optimization applications.

- It provides a host of supported features including scenario management, execution, data & file management, integration via APIs, UI configuration, reporting & visualization, and data analysis
- Contact us for more information on this product.

All Xpress-based optimization applications include Xpress Workbench and Xpress Mosel for free.

Xpress Mosel

Xpress Mosel is a free modeling environment including:

- interfaces to all Xpress solvers;
- compiler, runtime library, IVE editor/debugger, ODBC/Oracle/spreadsheet database connectors, XAD GUI;
- C, C++, VB, .NET, Java API support.

Xpress Workbench

Xpress Workbench is a free Integrated Development Environment (IDE) including

- web-based collaborative code editor, syntax highlighting, code completion and folding, and contextual help for Xpress Mosel
- supports for Python, Matlab, & Xpress BCL

Terms and conditions

License Transfers

Licenses are non-transferable to other institutions.

Additionally, licenses are non-transferrable to another computer. However, the Annual License Maintenance Services (ALMS) contract grants the right to transfer the covered license to another computer upon request, with a maximum limit of twice a year.

Desktop License

Each *Desktop* license allows a single concurrent copy of Xpress to be executed on a single personal workstation or laptop computer. A single execution of Xpress can be used to solve a maximum of one individual problem concurrently. *Desktop* licenses cannot be used remotely, for example via remote access services (requiring a local network) or web services.

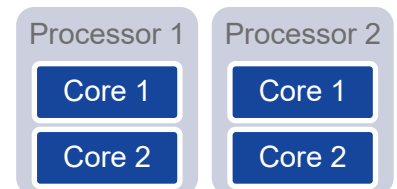
Workstation License

Each *Workstation* license allows a single concurrent copy of Xpress to be executed on one designated workstation computer, including remotely, for example via remote access services (requiring a local network), from any other computer (intranet only). A single execution of Xpress can be used to solve a maximum of one individual problem concurrently. *Workstation* licenses can be used in virtual environments. *Workstation* licenses cannot be used remotely via web services.

Server License

Each *server* license allows any number of concurrent copies of Xpress to be executed by any number of users on one designated server computer with a pre-determined number of processors. A “processor” denotes one processor chip having multiple cores (see illustration). Up to 8 cores may qualify as one processor. A processor with more than 8 cores is counted as multiple processors.

Server licenses can be used remotely only within a geographical site (building or campus) comprising the machine in which the server license is installed. For example and in particular, the use of server licenses via a VPN (Virtual Private Network) connection from a location geographically distant from the server is strictly forbidden.



However, the use of *Server* licenses from a remote location by the personnel who is permanently located in the geographical site comprising the machine in which the *Server* license is installed is permitted for occasional use only (such as working at home or while traveling).

Server licenses can be used in virtual environments.

Cloud deployment

FICO Xpress can also be deployed in the cloud, with service providers such as Amazon AWS, Microsoft Azure, or Google Cloud.

License Options

Each license is provided with a specific *license option*, defined as follows.

- *Node-Locked* licenses (default option) are locked to a specific computer.
- *USB Dongle* licenses are locked to a USB dongle.
- *Floating* licenses allow a token based licensing where up to N concurrent copies of FICO Xpress (N is the number of licenses) can be executed on client computers that have network access to a designated license issuing server.

Limited Duration License Agreement

If our licensing structure does not seem appropriate for your usage of FICO Xpress, Artelys offers Limited Duration License Agreement options which may be better suited to your business model.

Contact us at info-xpress@artelys.com for more information.

Annual License Maintenance Services (ALMS)

Artelys offers FICO Xpress customers an Annual License Maintenance Service (ALMS) to provide support for their FICO Xpress licenses, and to stay up-to-date with the latest optimization technology.

Benefits

- Free **updates** of your software through major and minor releases. It is FICO's policy to continuously improve and enhance its products. ALMS holders automatically receive all significant enhancements and bug fixes.
- Free **support** in your usage of the latest release of FICO Xpress, and the previous one. Artelys will provide advice on software features that may result in enhanced performance. Consulting on formulation and other aspects of modeling is available at an additional charge.
- Free **transfer of license** in case of change of computer or computer configuration (with a maximum limit of twice a year).

Costs

- The first year of ALMS is mandatory.
- The annual cost is 20% of the list purchase price (at the time of acquisition or renewing ALMS) of your license(s).
- ALMS contract renewals shall be contracted for at least one year from the date of purchase.
- ALMS contract must be renewed within 30 days of expiration to qualify for the standard rate. The cost of ALMS renewal will result in additional penalty fees for all licenses that have not been covered continuously or have been renewed after 30 days from the expiration date. The cost of backdated ALMS is 200% of the ALMS standard price and is calculated based on the duration (in months) of the period during which the license was not covered by ALMS.
- ALMS must include all of your FICO Xpress licenses.

The updates will not include any upgrade or new version that Artelys decides in its sole discretion to make generally available as a separately priced item. Artelys will be under no obligation to develop and release enhancements or to customize the enhancements to satisfy customer's particular requirements.

End-User License Agreement for FICO Xpress

The end-user license agreement for FICO Xpress is available at artelys.com/xpress.