

# License range

## What is included in the License?

The License is a summary of the process parameters that define the range of a particular D2000 Application. The parameters involve the following information:

- **Number of tags**

The maximum number of tags is the sum of D2000 objects, which are configured in the particular application. The tags includes the following D2000 objects:

- [User variables](#)
- [I/O tags](#)
- [Eval tags](#) (note: if it is a structured eval tag, the number of rows in the target structure is counted into the number of tags)
- [Remote tags](#)
- [Structured variables](#) (note: The size of the whole structure is included, i.e. the number of rows times number of columns, divided by a value of 5 (rows\*cols/5),. The columns of "Object" value type, i.e. a reference to other D2000 objects, are not included and fields whose value can not be changed during application run (they do not have an active configuration item [Manual control](#))).

More detailed information about the number and structure of the tags can be obtained using the [SHOW\\_CONFIG](#) tell command.

- **Number of archive tags**

The maximum number of archived time series. In the case of [unstructured archives](#), it is the number of [archive objects](#). In the case of a one-column archive object, it is the number of rows of the source structured variable. In the case of a structured archive object, it is the number of fields of the source structured variable.

- **Validity of license**

The validity of the license can be either defined (until a specific date) or unlimited. In regard to this, these warnings can occur:

- Message and alarm alert the client if:
  - the license expires within 20 days,
  - the license expires within 10 days.
- Message and critical alarm alert the client if:
  - the license expires within 10 minutes
  - the license expires within 5 minutes
  - the license expires within 1 minutes
  - the maximum number of permitted tags have been exceeded

- **Number of D2000 System Processes**

The range of license defines the maximum number of D2000 System Processes that can be operated:

- D2000 Archiv
- D2000 Calc
- D2000 Event
- D2000 KOM
- D2000 Alarm
- D2000 Topology
- D2000 ObjAPI
- D2000 DBManager
- D2000 OPCServer
- D2000 Gateway
- D2000 Switch

- **Communication protocols**

The communication protocols that can be used in the D2000 application are defined in the License. There can be used the protocols from [this list](#).

- **D2000 consoles**

The information about the licensing of the consoles, such as D2000 HI, GrEditor, is mentioned in the chapter [Licensing the Consoles and Web applications](#).

- **Required CNF keys**

The possibility to configure D2000 object without CNF key, which is usually required. If you are interested in this feature, please contact Ipesoft Sales Department to get more information.

- **"High Availability System" pack**

It enables the redundancy of the D2000 System and defines the number of these [D2000 systems in redundancy](#).

- **"High Availability Process" pack**

It enables the redundancy of [D2000 KOM](#) and [D2000 Archiv](#) and defines the maximal number of instance processes KOM and Archive started in parallel.

- **"High-Performance Archiv" pack**

It enables the special functions that boost the performance of the [D2000 archiving system](#) such as the parallel data reading (see archive parameter [ReadThreadsCount](#)), multi-write (see archive parameter [WriteThreadsCount](#)), etc. The special feature that boosts the performance of reading from the archive - [Load balancing](#), is available only for the pack "High Availability Process" purchased along with "High-Performance Archiv".

- **D2000 product**

This is described in the next section [D2000 products](#).

## D2000 products

We provide three basic levels of D2000 products:

- **D2000 Basic**
- **D2000 Standard**
- **D2000 Enterprise**
  - **Enterprise NUP**
  - **Enterprise CORE**

These products involve different levels of customer requirements for the range and performance of the D2000 System. To get a more detailed specification of the product, please, contact Ipesoft Sales Department.

This table specifies the features of the individual products.

D2000 System properties	D2000 Basic	D2000 Standard	D2000 Enterprise NUP/CORE
Redundancy of D2000 System ("High Availability System" pack)	-	available	available
Redundancy of system processes KOM and ARCHIV ("High Availability Process" pack)	-	available	unlimited
Performance-optimized archive ("High-Performance Archiv" pack)	-	available	available
CPU cores per Application	1 in price + increase option	1 to 4 in price (according to number of tags) + increase option	Enterprise NUP 4 - no increase option Enterprise CORE 4 in price + increase option
D2000 HI consoles - optional <a href="#">license model</a>	NamedDevice NamedUser ConcurrentUser	NamedDevice NamedUser ConcurrentUser	NamedDevice NamedUser ConcurrentUser
D2000 Thin Client (web appl)	available	available	available
D2000 SmartWeb	available via D2Cloud	available	available
D2000 DBManager	only ODBC, max. 1 database/5 tables	unlimited	unlimited
CALC, ALARM, DBMANAGER, KOM processes	only on D2000 Server (localhost) MAX 1 in price	available	unlimited
Operation of EVENT processes	MAX 1 in price	available	available

If you have any questions on D2000 products, please contact Ipesoft Sales Department or you can find the information on our web site <http://www.ipesoft.eu>.



### Related pages:

[Licensing the D2000 products](#)