

# 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 involves these information:

- **Number of tags**

The maximum number of tags is 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 whole structure is included, i.e. 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**

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 license can be either defined (until specific date) or unlimited. In regard of this, there can occur these warnings:

- Alert message and alarm at the client, if:
  - the license expires within 20 days,
  - the license expires within 10 days.
- Alert message and critical alarm at the client, if:
  - the license expires within 10 minutes
  - the license expires within than 5 minutes
  - the license expires within 1 minutes
  - the maximum number of permitted tags have been overstepped

- **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 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 Ipssoft Sales Department to get more information.

- **"High Availability System" pack**

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

- **"High Availability Process" pack**

It enables the redundancy of [D2000 KOM](#) and [D2000 Archiv](#) and defines 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 [D2000 archiving system](#) such as the parallel data reading (see archive parameter [ReadThreadsCount](#)), multi-write (see archive parameter [WriteThreadsCount](#)), etc. The special feature that boost the performance of reading from 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 involves different levels of customer requirements for range and performance of D2000 System. To get more detailed specification of 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](#)