

Description (D2000 KomAPI)

D2000 KomAPI - interface description

Protocol dynamic link library (.DLL) exports a set of functions, which are called by the [D2000 KOM](#) process. The list of all the exported functions is shown in the following table with a brief description.

On the Linux platform, the dynamic library extension is different (.so), and the function names are without underscore and size specifications (e. g. Init instead of _Init@4).

Function name	Requirement	Meaning
_Init@4	Required	The function is called after DLL dynamic import.
_ReadAllPoints@4	Optional (recommended)	Reading of values of all station I/O tags.
_ReadStoredData@28	Optional	Reading of historical values of station I/O tags.
_ReadPointValue@8	Optional	Reading of I/O tag value.
_WritePointValue@16	Optional	Writing of a new I/O tag value.
_InitStation@4	Optional	Definition of new station parameters.
_DeleteStation@4	Optional	Station deleted.
_TimeSynchroStation@4	Optional	Station real-time synchronisation.
_InitPoint@12	Optional	Definition of new I/O tag parameters.
_DeletePoint@4	Optional	I/O tag deleted.
_ConfigDone@4	Optional	Calling the definitions of the station and its I/O tags are done.
_PointsApplyBack@8	Optional	Response to calling the call-back procedure PointsApply .
_StationsApplyBack@8	Optional	Response to calling the call back procedure PointsApply .
_ExitProc@0	Optional	Called when stopping D2000 KOM.
_ExitProcWithLnPar@4	Optional	Called when stopping D2000 KOM.
_RdStatusChanged@4	Optional	Called when switching the redundancy or changing the instance of D2000 KOM between active and passive. Note: the startup parameter /RXN affects the behavior of OEM protocols in redundancy.

Note

All the used KomAPI functions and procedures (including call-back functions and internal tasks) require the *Stdcall* call convention on the Windows platform.



Related pages:

[D2000 KomAPI](#)