

# Addresses of Stations and I/O Tags

## D2000 KomAPI - addresses of stations and I/O tags

In the D2000 System, the addresses of [stations](#) and [I/O tags](#) are in form of character strings with the length up to 200 characters. This solution is universal and sufficient for all existing and perspective communication protocols.

I/O tag contains even two addresses of I/O tag (Adr1 and Adr2). Using the first address is disadvantageous because the searching for an I/O tag by its address (the call-back function [GetPoint](#) and [GetStation](#)) in the list of objects can take a lot of time. Therefore, it has been allowed to create a list of I/O tags with addresses converted to 32-bit numbers.

The conversion is executed by the function [InitPoint](#) if it is required. Quick searching the I/O tag by its numeric address is executed by the call-back function [GetFastPoint](#). The advantage of this solution is elimination of such differences in character string addresses as, for example, number of spaces, etc.



### Related pages:

- [D2000 KomAPI](#)
- [D2000 KomAPI - interface description](#)
- [D2000 KomAPI - interface structures](#)
- [D2000 KomAPI - interface functions](#)
- [D2000 KomAPI - interface call-back functions](#)