

TCP/IP-UDP

Configuration of communication line of TCP/IP-UDP category.

Line of category **TCP/IP-UDP** was designed for the needs of communication protocols that are built directly on the UDP layer of the TCP/IP stack. Both [IPv4](#) and [IPv6](#) protocols are supported. The line supports also the implementation of redundant communication (redundant network lines, redundant network interfaces) and the configuration of two IP addresses of a communication partner.

The following protocols are currently supported:

- [ALYA VT200](#)
- [BACnet](#)
- [DNP3](#)
- [Microtel 700](#)
- [Omron FINS](#)
- [Remia E3](#)
- [Remia KME](#)
- [SNMP](#)
- [Terminal LFC \(IEC 870-5\)](#)

TCP/IP-UDP line configuration

The screenshot shows a configuration window titled "L.BACNET - ??? [Invalid, Unknown] - BACNET.KOM". It has five tabs: "General properties", "Groups", "Line parameters", "UDP - parameters", and "Protocol parameters". The "UDP - parameters" tab is selected. Inside this tab, there are two sections: "Primary server" and "Backup server". The "Primary server" section has a "Host:" field with the value "ALL" and a "Port:" field with the value "1234". The "Backup server" section has a checkbox labeled "Use Backup server" which is unchecked, and below it, "Host:" and "Port:" fields with values "" and "0" respectively. At the bottom of the window, there is a checkbox labeled "close dialog window after save" which is unchecked, and three buttons: "Save", "Undo", and "Use Sample". A "Cancel" button is also present on the right. A small icon of a floppy disk is next to the "Save" button. At the very bottom, a note says "It is necessary to hold SHIFT key for save with".

Primary server - Host

IP address or a network name of a computer. Depending on a specific communication protocol, it may be an IP address of a computer where the D2000 KOM process is running. In this case, symbolic addresses * or *ALL* (for [IPv4](#) protocol) or [*] or *[ALL]* (for [IPv6](#) protocol), representing all network interfaces where the D2000 KOM process can listen, can be entered. This is true for protocols:

- [BACnet](#)
- [Omron FINS](#)
- [SNMP](#)

In other communication protocols, this is an IP address of a partner computer, with which the D2000 KOM process communicates. This is true for protocols:

- [ALYA VT200](#)
- [DNP3](#)
- [Microtel 700](#)
- [Remia E3](#)
- [Remia KME](#)
- [Terminal LFC \(IEC 870-5\)](#)

Primary server - Port

Either the number of the UDP port on which the D2000 KOM process should listen or the UDP port number on which a partner computer listens (see the description of parameter *Primary server - Host*).

Use Backup server

If this option is not selected, the D2000 KOM process does not work with a backup IP address/port and the line works without redundancy.

Backup server - Host

Backup IP address or network name of a computer. Depending on a specific communication protocol, it may be an IP address of a computer where the D2000 KOM process is running (see the description of parameter *Primary server - Host*).

Backup server - Port

Either the number of a backup UDP port on which the D2000 KOM process should listen or a backup UDP port number on which a partner computer listens (see the description of parameter *Backup server - Host*).

Currently, the backup server parameters are supported in the protocols [SNMP](#), [Microtel 700](#), and [Terminal LFC \(IEC 870-5\)](#).



Related pages:

[Communication lines](#)