

FXPlus SPECIFICATIONS

System Requirements

In the text below, we give the specifications we need to have for the normal and continuous operation of FXPlus.

FXPlus can be installed in a variety of Windows operating systems (Windows XP SP2 or newer, Windows Vista, Windows 7, Windows 8 - 8.1, Windows 10, Windows Server 2003 SP1 or newer, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2016, either 32bit or 64bit) whether we have standalone installations or network ones (server / client).

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| Computer / CPU | <ul style="list-style-type: none">• <u>Server-Client installation</u> <u>FXPlus server</u> installation in a server machine (recommended for companies with many users) <i><u>Minimum Requirements:</u></i> <i>Intel Pentium Dual Core (or AMD CPU with similar capabilities)</i> <i><u>Suggested Requirements:</u></i> <i>Intel Pentium Quad Core (or AMD CPU with similar capabilities)</i> <u>FXPlus server</u> installation in a desktop machine (recommended for companies with a few users) <i><u>Minimum Requirements:</u></i> <i>Intel Pentium Dual Core 2.0GHz or newer (or AMD CPU with similar capabilities)</i> <i><u>Suggested Requirements:</u></i> <i>Intel Pentium Core2Duo 2.5GHz or newer (or AMD CPU with similar capabilities)</i> <u>FXPlus client</u> installation <i><u>Minimum Requirements:</u></i> <i>Intel Pentium 4 2.0GHz or newer (or AMD CPU with similar capabilities)</i> <i><u>Suggested Requirements:</u></i> <i>Intel Pentium Dual Core 2.0GHz or newer (or AMD CPU with similar capabilities)</i> • <u>Standalone installation</u> <i><u>Minimum Requirements:</u></i> <i>Intel Pentium 4 2.0GHz or newer (or AMD CPU with similar capabilities)</i> <i><u>Suggested Requirements:</u></i> <i>Intel Pentium Dual Core 2.5GHz or newer (or AMD CPU with similar capabilities)</i> |
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| <p>Operating System*</p> | <p><u>Windows XP SP2 or newer</u> - (32bit-64bit) <u>Windows Vista</u> - (32bit-64bit) <u>Windows 7</u> - (32bit-64bit) <u>Windows 8 - 8.1</u> - (32bit-64bit) <u>Windows 10</u> - (32bit-64bit) <u>Windows Server 2003 SP1 or newer</u> - (32bit-64bit) <u>Windows Server 2008</u> - (32bit-64bit) <u>Windows Server 2008 R2</u> <u>Windows Server 2012</u> <u>Windows Server 2016</u></p> |
| <p>Memory</p> | <ul style="list-style-type: none"> • <u>Server-Client installation</u> <u>FXPlus server</u> installation in a server or desktop machine <u>Minimum Requirements:</u> 2 Gigabyte RAM or more <u>Suggested Requirements:</u> 3 Gigabyte RAM or more <u>FXPlus client</u> installation <u>Minimum Requirements:</u> 512 Megabyte RAM or more <u>Suggested Requirements:</u> 1 Gigabyte RAM or more • <u>Standalone installation</u> <u>Minimum Requirements:</u> 512 Megabyte RAM or more <u>Suggested Requirements:</u> 1 Gigabyte RAM or more |
| <p>Drive</p> | <p>CD-ROM or DVD-ROM drive (in case installation is done through drive) or available USB port</p> |
| <p>Display</p> | <p>Super VGA monitor (800 x 600) or higher resolution with 256 colors or more</p> |

* We must always have in mind, in network installations where server machines are used, it is best in terms of efficiency to install server operating systems, especially if a lot of users need to be served.

The amount of memory FXPlus consumes under normal conditions is around 100MB.

Internet

To achieve proper operation through internet, FXPlus must be installed in a network which complies with the following network connection specifications:

- Access for TCP packets in address ipdata.inforex.gr (IPs: 95.0.13.101 and 185.97.9.101) on ports 80 or 443 or 8000 (for data streaming)
- Access for TCP packets in address data.inforex.gr (IPs: 95.0.13.100 and 185.97.9.100) on ports 80 or 443 or 8000 (for historical data retrieval)

The application requires approximately 40Kbps (mean values) for every connection and it is checked for normal operation even with PSTN lines.

Server \ Client communication

Communication between server \ client can be done in all by using modern Ethernet networks (without excluding the use of other network types, after proper configuration). FXPlus server is transmitting data by using UDP, IP or Multicast packets and protocols according to customer needs.

Database files exist in both server and clients to minimize the use of bandwidth in the network and the application requires at least 3GB free space in the hard disk drive for the symbols' historical data, either we have server installation or client installation.

The computer user executing the application must have full rights in the installed folder without the need of configuring any other user rights in other folders.

The versatility of FXPlus server \ client connection is capable of creating installations with great potential of expansion according to the customer's needs (we can have FXPlus servers operating as proxies giving data feed). That means, if we have many branch offices we can have FXPlus server in every office, which will receive data from the main server and serving these data locally to users. With such configuration we achieve a significant reduce in total bandwidth.

UDP transmission supports of up to 50 clients per server as the Multicast transmission literally supports an unlimited number of terminals, as long as the correct setup has been made in the network.

Note:

When terminals connect to FX2000 server with UDP, two ports are used. One is for data and the other is for licensing and "heartbeat". The second port is always +1 of the one we have setup in the program.

We are always at your disposal for any further information and suggestions according to your network's specifications.