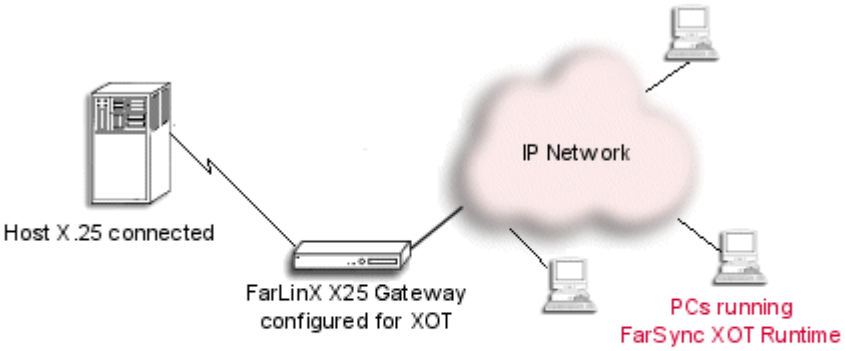
FarSync® XOT Runtime for Windows

XOT (X.25 over TCP/IP) software

FarSite COMMUNICATIONS

Key Features

- **Supports SVCs and PVCs**
- **4,096 simultaneous sessions**
- **Developers Toolkit**
- **Sockets API to access XOT**
- **Supported on multi-processor, 32 and 64 bit systems**
- **Supported on: Windows 10, 8, 7; Windows Server 2019, 2016 and 2012**



Overview

The FarSync XOT Runtime has been developed to provide high performance and very reliable XOT connectivity for system running Windows. Both X.25 SVCs and PVCs are supported with a maximum of 4096 simultaneous connections.

A comprehensive Developers Toolkit is included with the product.

The API is based on Sockets (compliant with Winsock2) and is compatible with the Microsoft defined X.25 Sockets API. Applications written to use the Microsoft X.25 Sockets API will work with the FarSync XOT product. It supports standard AF_ISO / ISOPROTO_X25 sockets used by a number of applications, such as MS-Exchange. It also supports the AF_X25 address family used by the applications written to use FarSync X.25 products.

Applications developed in most programming languages, including Visual Basic, Delphi, C++ and .NET applications, can use the Sockets API to FarSync XOT, and there is a Java Extension API supplied to provide access from Java applications.

FarSync XOT Runtime is supported on Windows 10, 8, 7; Windows Server 2019, 2016 and 2012. Multi-processor, 32 and 64 bit systems are supported, but for 32-bit applications only (64-bit application support is planned for a future release).

The FarSync XOT Runtime for Windows interoperates with the FarLinX X25 Gateway, FarSync XOT Runtime for Linux and other devices complying with the XOT standard.

Typical Applications

The FarSync XOT Runtime is suitable for connection to remote systems running XOT. Typical applications include:

- **XOT replacements for X.25 networks**
- **E-Commerce gateways for credit verification**

Developers Toolkit

The developers toolkit is included free with the FarSync XOT Runtime product and features:

- **Documented working C and Java source sample programs. Source code from these samples can be used to fast-track your development process**
- **Comprehensive API manuals and helpful advice on the best way to utilise the interface**
- **Free email and telephone assistance by FarSite Engineering group to application developers**

APIs for Application Development

API manuals and many example applications are included in the Developers Toolkit. The API is compatible with the APIs for FarSync X25 adapters and the Microsoft X25 API standard.

For further details see FarSync_X.25 / XOT_Developers_Toolkit_Datasheet.

Winsock API - XOT

The WinSock2 compliant sockets interface provides a programming language independent high level connection orientated interface with access to a comprehensive set of X.25 features. The API is compatible with the Sockets API for the FarSync X25 cards.

Java Extension to the sockets API

The Java API for FarSync X.25 is supported on XOT and allows applications written in Core Java Software (J2SE) and Enterprise Java Software (J2EE) easy access to the functions and features of FarSync XOT. Documentation and sample applications are provided.

Installation and Configuration

The FarSync XOT Software is simple to install and use immediately. Configuration is required to map the X.25 Destination Address to the IP Address of the remote host or node, except when the application is able to supply such information itself via the XOT-specific features of the API. There is a text file mapping from X.25 parameters to IP Addresses.

Monitoring XOT Activity

The widely used line monitoring utility Wireshark can be used to monitor and decode the FarSync XOT sessions providing a comprehensive analysis of line traffic required by developers and systems installers.

Packaging

The software and documentation is downloaded from this website using a code supplied when the product is purchased.

Software Specifications for FarSync XOT Runtime for Windows	
XOT specification	Complies with RFC 1613 - X.25 over TCP (XOT)
Maximum SVCs / PVCs	4,096 SVCs and 4,096 PVCs
Maximum XOT connections	Up to 4,096
Data Throughput	30 Mbits/s
Data Packet size range	0 to 4096 bytes
XOT (X.25) facilities supported	Closed User Group (CUG), Network User Identifier (NUI), Fast Select, Packet and Windows size negotiation, Throughput Class Negotiation
Accessible via API	Yes, a Sockets based interface and a Java extension API
Operating Systems supported	Windows 10, 8, 7; Windows Server 2019, 2016 and 2012
64 bit and multi-processor systems	Designed for, and tested on single and multi-processor) Servers, 32 and 64 bit systems; API support for 32-bit applications only.
Developers Toolkit	
XOT API	**Sockets API**, easy to use, provides access to the XOT features **Java Extension API**, allows easy access to XOT sockets from Java applications
API reference manuals	Manuals: XOT and X.25 Sockets API and Java API documentation
Sample programs	Included, large number of example applications are available

Order Information

Product Name	Description	Product Code
FarSync XOT Runtime for Windows	XOT (X.25 over TCP/IP) Runtime software for Windows	FS9511

FarSync® is a registered trade mark of FarSite Communications Ltd, All trademarks and registered trademarks are acknowledged.

Changes are periodically made to the information herein; these changes will be incorporated into new editions of the publication. FarSite Communications may make improvements and/or changes in the products and/or programs described in this publication at any time.

Tel: +44 (0)1256 330461
Email: info@farsite.com
Web: www.farsite.com

© Copyright FarSite Communications Ltd, 2010-2020. All rights reserved.