MXIO Programming Library

For handy management of I/O devices

Features and Benefits

- An intuitive method for obtaining remote I/O data

- Reduce development times with a comprehensive set of sample codes

- Fully exploit active communications

- Automatic data updates from SD cards following network failures

Introduction

The MXIO Programming Library is supported on Windows and Linux operating systems, as well as the C++, VB/VC, and .NET development platforms. This library makes it easy to use high-level computer languages to manage I/O devices and data transfer operations over an Ethernet or RS-485 network, thanks to a large repository of C# and Visual Basic code samples. With Moxa's free MXIO library, programmers can easily develop custom applications, establish transparent communications with the host, and enjoy the benefits of using one familiar development environment for the entire ioLogik product family.

### An Intuitive Method for Obtaining Remote I/O Data

The MXIO Programming Library is a set of programming tools for developing data management applications for use on Ethernet or RS-485 networks, linking Moxa's controllers and remote I/O devices. It includes direct I/O command sets that provide a more intuitive method for obtaining I/O data. Software developers no longer need to study the complex Modbus protocol to manage I/O monitoring and control functions, and engineers can obtain I/O data by using MXIO's direct I/O commands to access any I/O point or channel with ease.

Reduce Development Times With a Comprehensive Set of Sample Codes

The MXIO Library includes many examples of sample code to help programmers reduce software development time and quickly get familiar with the API. Developers can use MXIO functions and demo programs as soon as they have installed the library.

Fully Exploit Active Communications

The MXIO Library provides active functions for receiving I/O configurations and status updates from Moxa's controllers and remote I/O products. With revolutionary push technology, users can benefit from faster and more accurate data collection than traditional polling servers.
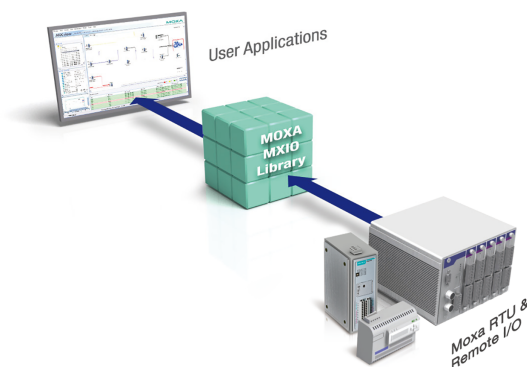
Specifications

Hardware Requirements

CPU	Intel Pentium 4 or above
RAM	512 MB (1024 MB recommended)

Software Requirements

Operating System	Linux Debian 7.8 Microsoft Windows 7/8/10 Microsoft Windows Server 2003/2008/2012

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