YASKAWA

MOTOPLUS™ SDK

COMPREHENSIVE SOFTWARE DEVELOPMENT KIT

KEY BENEFITS

Provides real-time access and communications with the controller

Enables interaction with any computing device

Can be used to embed complex algorithms for data acquisition in an ANSI C programming environment

REQUIREMENTS

Microsoft® Visual Studio® (2008 or higher)

PC with Windows® 10 or 11

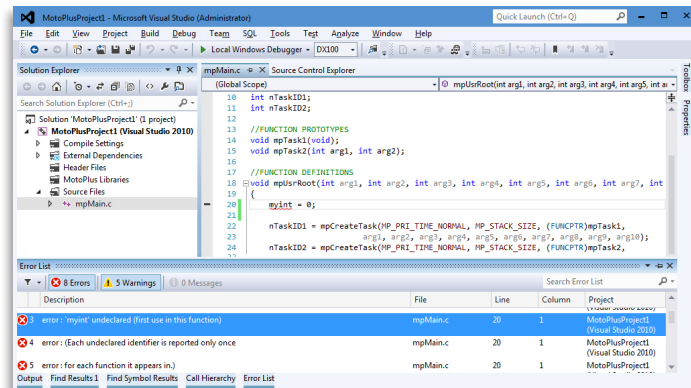Microsoft .NET Framework 3.5

COMPATIBILITY

YRC1000 controller

YRC1000micro controller

FS100 controller

DX200 controller

DX100 controller

- Provides ability to develop custom real-time applications for integration with nearly any device.

- Comprehensive API (Application Program Interface) allows access to control and monitor many robot functions through Ethernet socket or interface including (but not limited to):
  – Multi-tasking communication
  – File transfer
  – Position and motion
  – Variables and registers
  – I/O
  – Robot jobs
  – Alarms and errors

- Functions as a plug-in for Microsoft Visual Studio; compatible with Visual Studio Professional or free Visual Studio Community Edition.

- Allows use of same development tools and extensions already in use; compatible with many standard Visual Studio extensions such as IntelliSense®, TFS, Git, etc.

- Includes variety of standard libraries, sample source code and extensive documentation.

- No additional hardware or costly development tools are required.

- Application program is executed as a concurrent task on the robot controller.

- Development is done in ANSI C programming language.

- Ideal for direct interfacing to third-party equipment without a PC.