Port Interface Communication Package 1.9

The ProSyst Port Interface Communication Package wraps the Java communication API 2.0 developed by Sun Microsystems, and enables the framework to communicate via serial and parallel ports.

Features

- Implementation of the Java port communication API
- Serial (RS-232, L2CI, RS485), parallel (Centronix) and LC2 communication port support for Windows and Linux
- Serial port support for Windows CE
- Support for x86, PowerPC, and StrongARM processors

Benefits

- Enables OSGi applications to communicate via serial, parallel and LC2 ports
- Enables communication with a wide range of peripherals and embedded devices
- Runs on diverse processors and OSs, used in PCs and various embedded boards

The Port Interface Communication Package provides implementation of the Java port communication APIs defined by SUN. The implementation is packaged in an OSGi bundle. The API provides the possibility to open a communication port, to configure the port, to send data through it, to receive data in two modes from the port (blocking receive or asynchronous receive).

ProSyst Java port communication solution

- Implementation of the Java communication API for the Windows OS using the SUN implementation and the RXTX implementation. Support is available for Windows 95, 98, 2000, NT and XP versions running on x86 processors.
- Implementation of the Java communication API for Linux using RXTX implementation. Support for x86, StrongARM (little endian), PowerPC and MIPS processors. The best compliance is
- Implementation of the Java communication API for Windows CE, allowing communication via the serial port. Support for StrongARM processors.

Additional capabilities and packages of mBedded Server and other ProSyst products are explained in the data sheets available for each product.

If you have any further questions, we will be happy to assist. Please contact us at info@prosyst.com or visit our Developer Zone at dz.prosyst.com.

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