

Technical FAQ

What is the largest system size which the monarch™ platform can support?

The platform has been field-operational in numerous sites with over 250,000 data points and over 700 remote terminal units. The system has been designed and tested to handle system sizes larger than 1,000,000 points and several thousand RTUs. Both 32-bit and 64-bit operating systems are supported.

What is the smallest system size which the monarch platform can support?

The platform can support systems with a single RTU and a few hundred points.

How many systems have been installed?

OSI has more than 220 systems installed worldwide.

Are your real-time database interfaces published?

Yes. The database has a published and open API, including an ODBC and SQL interface.

What Relational Database Management Systems are supported?

All popular commercial RDBMS are supported. This includes Oracle, MS SQL Server, MySQL and Sybase.

What server operating systems are supported?

All popular commercial server operating systems are supported. This includes IBM AIX, HP-UX, Sun Solaris, HP-True64, MS Windows XP, MS Windows 2003, Red Hat Linux and SuSE Linux.

What client operating systems are supported?

Windows XP and Windows Vista are supported.

Are Web-based/light clients supported?

Yes. Web-based clients are supported via a light client under .NET or JAVA, as well as through running under a citrix environment.

What third-party historians are supported?

In addition to OSI's own native historians (**OpenHIS™** and **OpenHRS™**), OSISOFT's PI Historian and InStep Software's eDNA historians are supported.

What third-party software is used in your platform?

The **monarch** platform minimizes use of any third-party software for reliability and ease of maintenance. The only third-party software used in the base platform includes the operating systems, Relational Database Management System and report generation and development tools.

Identify the computer hardware platforms which can be used.

OSI supports Unix hardware platforms from Sun, HP and IBM. In addition to Linux and Windows operating systems, Dell, IBM, HP and other standard Intel platforms are supported.

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Describe your capability to provide platform independence.

The **monarch** platform is a totally open platform, independent of the hardware and the operating system. It can be offered on four varieties of Unix, Windows and Linux platforms. Mixed or hybrid operating systems can also be supported.

Which RTU protocols are supported?

The **monarch** platform supports a large library of open and proprietary RTU protocols, including DNP 3.0 serial and DNP 3.0/IP, IEC870-101, IEC870-104, Telegyr 8979, Valmet/Tejas Series V, Modbus, SC 1801, CDC Type I and Type II, Conitel 2020, 2025, and C300, DAQ Hydra, PG&E, GETAC, BETAC, Westinghouse REDAC 70H, Westinghouse REDAC 70D/DE, Harris 5000, Harris 6000, Moore 9000, ILEX, Motorola INTRAC, etc.

What communication protocols are supported?

For communications with external systems, ICCP/TASE2, Secure ICCP/TASE2 and DNP Slave communications are supported.

What other interfaces and APIs are supported for data exchange?

ODBC, OPC, MultiSpeak, DDE, XML/SOAP, and CIM/XML are supported.

Getting in Touch with OSI - Other Subjects

OSI welcomes your input about all aspects of our product and service offerings. You may find the following email addresses useful:

- support@osii.com - Customer Support Team
- quote@osii.com - Request sales or product information
- ideas@osii.com - Suggestions for improving products and services
- training@osii.com - **monarch** training information
- sales@osii.com - General questions or information
- customerrelations@osii.com - After market quote requests and general assistance

For specific regional questions and information please see the OSI Web site/Contact Us page.