

Key benefits

- Deployment of full-featured monitoring and control systems with minimal time and money effort
- Interconnection and cooperation with any type of sensing/acting device
- Customizable in every single part and easily extendable through a plugin based architecture
- Retrofit of existing architectures
- Open philosophy allows easy integration and interaction with third party devices, frameworks and architectures
- Web interfaces allow easy WebSCADA functionalities and interaction with third party websites (Web 2.0 style)

Key features

- Based on open standards (XML or JSON)
- Interconnects with devices based on RS232, RS485, Ethernet, 802.11 a-g, 802.15.4, CAN, Profibus or proprietary buses on request
- Supports ARM® and x86 architectures
- Distributed network approach with high scalability
- Expandable plugin-based architecture
- User-definible automations using a simple and powerful ECMAScript-based language
- Integrated http server
- Native support for web interaction
- Extensive device data logging and retrieval

Key Applications

- Home and industrial automation
- Production site management and surveillance
- Next generation virtual SCADA and WebSCADA
- Networks of devices
- Virtual factories

SAN Framework

Sensor and Actor Network
Control and Automation
Framework

SAN Framework

Sensor and Actor Network Monitoring and Control Framework

Description	<p>The SAN Framework is an enabling technology allowing the abstraction and control of complex scenarios such as houses, industrial applications, hotels, field installations or complex buildings.</p> <p>It is targeted at companies manufacturing systems and products for house or industrial control or for the remote control of unmanned devices (solar panels, cash machines, kiosks, infopoints).</p> <p>The framework includes modern control panels. Thanks to smooth visual interfaces based on multitouch screens and advanced 2D/3D effects, controlling even the most complex situations becomes extremely straightforward and intuitive.</p> <p>Thanks to the use of standard XML protocols, our framework readily interfaces to existing frameworks and scenarios and makes it very easy to integrate additional components, architectures and technologies, acting as a unifying platform.</p> <p>The framework is web-enabled, allowing the sensors/actors to be exposed on the internet through specific portals and web interfaces (Internet-of-Things) for remote control.</p>
Hardware / OS	<p>The framework is readily deployed on x86 and ARM® based hardware and interfaces with several house and industrial standard radio or wired buses (ethernet, RS232 and RS485, CAN, Profibus, 802.11, 802.15.4, etc.).</p> <p>Touchscreen interface software is compatible with Windows®, Linux® or Mac® OS®X operating systems.</p> <p>Web Applications are compatible with all modern desktop and mobile device browsers.</p> <p>Custom native applications for smartphones and portable devices available.</p>
Min Time to Market	16 weeks

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