



SCADA/HMI JADA & JADA LITE

Software

Description

High configurable, modular and multi-platform SCADA software based on JAVA and WEB 2.0 technologies. Suited for HMI/INFORMATION POINT based on graphical panel solution on PC and portable devices for industrial, domotic and research/educational environment.

Available for MS-WINDOWS (excluded WIN CE) and LINUX operative systems. ANDROID and IOS devices are usable as viewer terminals via web technology.



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Technical data	
Technologies and languages based on	JAVA SE 5.0+, SERVLET 1.0+ (embedded and by TOMCAT 7.0), Java Server Pages (JSP), Scripting JAVA like and .DEF Declarative language for HMI development, Extension by JAVA external plugin, Socket communication towards field and for applications integration.
Hardware compliance	PC and similar device compliant with requirements of ORACLE/SUN JAVA SE 5.0+ For client/viewer terminals, any device with web browser compliant HTML 4.0+, CSS 2.0+, JAVASCRIPT
Software compliance	Operative Systems compliant with requirements of ORACLE/SUN JAVA SE 5.0+: MS-WINDOWS EMBEDDED (WIN CE excluded), LINUX For client/viewer terminals, any operative system with web browser compliant HTML 4.0+, CSS 2.0+, JAVASCRIPT: MS-WINDOWS, LINUX, ANDROID, IOS.
Minimal requirements	Processor : min. PENTIUM III 1 GHz or + Ram memory: min 1 Gb Hard disk : min. 200 Mb
Graphical features	Based on JAVA AWT, SWING JAVA2D with JAVA Standard widgets, Additional specific widgets for industrial/domotic HMI panel: display, leds, slide bars, button, etc. HMI application theme and aspect configurable by declarative language.
Web features	AJAX/SOAP web services server SERVLET container & JSP technologies Open and automatic translation of declared .DEF language local HMI in WEB 2.0 (HTML + javascript with possible use of SVG graphic also) compliant with last web browser generation. It's possible to develop the HMI application with standard web frameworks like Google GWT or VAADIN.
Scripting features	Integrated JAVA like scripting interpreter (JADASCRIPIT) external JAVA compiled class extension (JADATOOLS)
Database features	MS-ACCESS, SQLITE, MYSQL, and others JDBC or JAVA compliant
Comm. drivers and protocol	Socket communication and by serial port (with specific software drivers). Protocols: MODBUS/TCP, MODBUS/RTU, others by specific software driver.
User management	Default management based on 3 user profiles (operator, basic technician, advanced technician, administrator). Every user profile has a specific numerical password
Other features	Recipes management Specific UI components for TRENDS, Historical data management and analysis, Alarms management Specific module for machine programmable maintenance Integrated SOFTPLC programmable by JADASCRIPIT supervision tasks. USB KEY USER identification (basic and advanced by finger)

*Data here mentioned are subject to changes without any notice. - All trades are registered by their owners.