VLSPRO PC Industrial Automation Framework

Software

Description

High configurable and modular software framework for industrial PC-based automation solutions, powered by JADA SCADA, SOFTPLC ISAGRAF and PC board interfaces suitable for the most used industrial fieldbuses.

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

Suited for systems integrators and generic industrial control process (i.e. logistic/packaging conveyor lines) and building automation/domotic/energy/utilities applications, with ready to use full configurable vertical applications for logistic/packaging and building automation.

Technical data	
Technologies and languages	JADA SCADA language for HMI (JADA .DEF declarative language and WEB2.0 languages: HTML5/CSS3/JAVASCRIPT/SVG) and IEC1131 for ISAGRAF SOFTPLC (4.xx version)
Hardware compatibility	PC CONTROLLER or similar compliant with MS-WINDOWS, full support of MOLEX-APPLICOM fieldbus interfaces PCI boards and of MODBUS/TPC fieldbus GATEWAY.
Software compatibility	MS-WINDOWS EMBEDDED (and XP)
Minimal requirements	For 50 ms SOFTPLC control cycle time: – Processor: min Pentium III 1.0 GHz or + – Ram memory: min 1 Gb – Hard disk: min 300 Mb Ram, Processor and the number of controlled fieldbus devices can influence the SOFTPLC control cycle time.
Communication drivers and protocols	Any by MOLEX-APPLICOM fiedbus interfaces PCI boards or external MOBUS/TCP fieldbus gateway. Some supported fieldbus: profibus-dp, modbus/rtu, modbus/tcp, ethernet/ip
Other features	HMI Integrated recipes management (up to 100 recipes) OPC SERVER integrated with SOFTPLC Directly integration with Smitec FLXMOD I/O devices and motor drivers (COSMOS)
Ready to use Full configurable vertical applications	Packaging (food&beverage) conveying line control & management: – graphical user friendly and multilanguage HMI with line general layout synoptics and detailed views of single conveyor and device in the line – air, chain and pallets conveyors control (up to 121+121 devices, by profibus fieldbus) with direct interfacing with the line machines – special devices control: accumulation tables, buffers, aligning tables (low and without pressure), consumer-producter machines synchro interface (i.e. filler-labeler synchronizing) – specific iec61131 software library with several optimized conveyor control algorithms, fully parametrizzable. Building Automation (domotic): – graphical user friendly HMI with building/plant general synoptics and detailed views for single area/facility – manage a fieldbus network of distribuited devices (sensors, switches, actuators) for building ambiental conditions controlling and energy saving (temperature, umidity, lighting, presence) – specific iec61131 software library

*Data here mentioned are subject to changes without any notice.