KPA Automation Control System Panel

Windows-based control computers for cost-effective automation solutions

KPA Automation Control System is a family of all-in-one products aimed for building cost-effective factory automation solutions. These compact systems, equipped with energy-efficient CPUs and advanced SCADA software, are well suited for complex control tasks while saving extra space and reducing cost of maintenance.

Key features

- High performance Intel Core i5 CPUs for the most demanding control tasks

- Compact integrated casing for saving space and reducing cost of maintenance

- Windows 10 LTSB IoT pre-installed

- Advanced software package: HMI with unlimited tags and screens + PLC with unlimited IOs connection

- Native support for EtherCAT industrial networking

- Compatible with third-party PLCs with OPC, Modbus TCP/IP or custom TCP/IP protocols

Hardware specifications

Model	KPAACS Panel	KPAACS Box
CPU	i3 / i5 / i7 / Celeron / Atom	i3 / i5 / i7 / Celeron / Atom
RAM	4 / 8 / 16 GB	4 / 8 / 16 GB
Display controller	Embedded, Intel® integrated	Embedded, Intel® integrated
Storage	Storage 64 Gb SSD or higher	64 Gb SSD or higher
Networking	Multiple Intel® I210/I211 Ethernet Controller	Multiple Intel® I210/I211 Ethernet Controller
Interfaces	Various VGA, DVI, HDMI, USB 2.0/3.0, RS-232/485 (depending on part number)	Various VGA, DVI, HDMI, USB 2.0/3.0, RS-232/485 (depending on part number)

Model	KPAACS Panel	KPAACS Box
Display	Integrated 12/15/15.6/17/19/21", max. resolutions 4K, 4:3/16:9, resistive or capacitive touch pane	External analog and/or digital, dual display support
Power source	9...30V DC	9...30V DC
Case protection	IP20...IP65	IP20...IP65
Cooling	Active or fanless	Active or fanless
Regulatory	FCC, CE, RoHS standard	FCC, CE, RoHS standard
Working conditions	Temperature: -20...60 °C, Relative humidity 0...90%, non-condensing	Temperature: -20...60 °C, Relative humidity 0...90%, non-condensing

Software bundle

KPA Automation View

KPA Automation View is a powerful HMI solution with designer tools for programming appearance and behavior of every interface control. It provides access to unlimited tags through OPC DA, Modbus TCP/IP or any customized TCP/IP- based protocol. Advanced controls bundle includes basic interface elements, data connections, database access, archiving, reporting and many other.

KPA Automation softPLC

KPA Automation softPLC is a programming environment for developing PLC for real-time operation systems such as Linux, Xenomai, INtime, Windows. Focused on IEC 61131-3, KPA Automation softPLC technology is designed for all automation solutions, from machinery, controllers and drives manufacturers, to system integrators and machine builders.