

SPS IPC DRIVES 2015

All-in-one PLC series with optional CANopen

Unitronics presents its Vision700 PLC modules at the SPS IPC Drives in Nuremberg, Germany. It comes with optional CANopen and J1939 communication options.



(Photo: Unitronics)

THE VISION PLC SERIES WELCOMES its newest member—the Vision700. It has an integrated 7-inch touchscreen (800 pixels x 480 pixels) and was developed to answer the wide screen market trend. It comes with a built-in Ethernet port and offers a range of I/O configurations that can include digital, high-speed, and analog I/Os, as well as PT100/Thermocouple and weight/pressure measurement.

The product can use both snap-in I/O modules that plug directly into the back of it and regular din rail mounted I/O expansion units. Expansion modules enable local and remote I/O at distances of up to 1000 m, making the product solution for applications with up to 1000 I/O points.

Communication options are Ethernet, cellular, and industrial protocols such as CANopen, J1939, Modbus, DF1 slave, Bacnet, and more. Each unit comes supplied with an Ethernet port, a USB programming port, and an EIA-232/EIA-485 port. Additional CAN or Profibus communication can be added. A micro SD card slot for data logging and backup is included as well. In addition, the protocol utility allows the Vision700 to communicate via almost any ASCII protocol.

The unit can be directly accessed through a mini-USB programming port, and remotely accessed using GPRS/GSM/CDMA and other IP networks for data acquisition and program download. Another benefit is the ability to notify supervisors of critical information via e-mail and SMS, enabling real-time remote management.

The machine operator communicates directly with the application via the resistive analog touchscreen—or remotely, via the free Remote Operator utility—which displays data, color trend graphs, and attention-grabbing alarm screens. The flat fascia and IP66/IP65/NEMA4X rating makes the unit a fit for the food and pharmaceutical industries, and anywhere spray or wipe down requirements apply.

The company's Visi Logic software enables hardware configuration, PLC, and HMI application programming. The software includes a full library of Drag & Drop function blocks for complex automation control tasks, such as PID, and a rich color library of industrial images.