

In This Issue:

- **Control Practically ANYTHING with the QVGA Controller™**

● Reduce your time-to-market with this three-in-one package.

If you are building an instrument that needs lots of I/O, a highly visible operator interface, computational power, and a smart touchscreen-controlled front panel – the new QVGA Controller is right for you.

Unlike other products on the market that offer either an I/O controller or an operator interface, the QVGA Controller is a three-in-one combo: a powerful C-programmable computer with lots of I/O, a 1/4VGA display, and a built-in touchscreen-operated Graphical User Interface.

Designers of medical, scientific or industrial products can use this compact, I/O-rich integrated device as the core hardware, software and user interface in their new instruments to achieve an "appliance style" ease of use.

● QVGA provides a smart front panel for your instrument.



Applications:

Embedded Controller and Front Panel for:

- Industrial Automation
- Process Control
- Scientific Instruments
- Robotics
- Medical Instruments
- Data Acquisition

The QVGA Controller features a high-contrast 6" diagonal 1/4VGA display and high resolution analog touchscreen.

Select a display that will best fit your application: a bright, amber-on-black high-contrast electroluminescent (EL) display visible from any angle, or a bright white-on-blue cold-cathode fluorescent (CCFL) backlit LCD.

You can create sophisticated displays, system diagrams and control panels, combine any number of buttons, graphics, text boxes, and controls on a screen, and have as many screens as your application needs.



● Programming is a snap with pre-coded software

The GUI toolkit provides an easy way to design and implement a complete graphical interface to monitor and control an instrument.

Ideally suited for data acquisition and control, a real-time multitasking operating system provides a simple solution when several activities must operate simultaneously, each with time-critical precision.

Precoded I/O drivers facilitate data acquisition, pulse width modulation, motor control, frequency measurement, data analysis, analog control, PID control, and communications.

● Mix and Match I/O

Need more I/O? Stack up to eight Wildcards for: 16- or 24-bit resolution programmable gain A/D; 12-bit D/A; compact flash mass memory; AC or DC solid state relays; configurable digital I/O; additional RS232, RS422 or RS485; or high-voltage, high-current DC inputs and outputs.

Features:

- Powerful C-Programmable Controller
- Highly Visible Graphics Display with Touchscreen
- Built-in Real Time Operating System (RTOS)
- 6", 1/4 VGA (320x240 pixel) EL or Monochrome LCD Display
- Easily Program Graphics, Screens, Buttons and Menus
- Two RS232/485 Serial Ports
- Precoded Software: Object Oriented Menu Manager, I/O Drivers
- Up to 768K Flash, 640K RAM, 64 Mbyte Mass Memory
- 48 Analog and Digital I/O Lines
- Eight 12-bit and Eight 8-bit A/D Inputs
- Panel Mounts with Bezel

