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- What's So Special about the Panel-Touch Controller
- QED Wildcards™ - Smart I/O for Smart Instruments
- Wildcard Carrier Board boasts increased Flash and RAM

## WILDCARD CARRIER BOARD BOASTS 512K FLASH AND 512K RAM



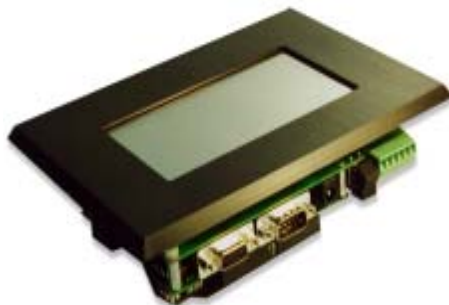
Expand the versatility of the Panel-Touch Controller by using the Wildcards and the Wildcard Carrier Board!

It is not just a carrier, but a smart board packed with additional memory: from a standard version of 128K RAM and socketed 128K Flash to custom versions providing up to 512K RAM and 512K Flash.

The WildCard Carrier Board mates directly to the Panel-Touch Controller and provides addressing and power for up to eight *WildCard* modules.

A pre-coded "kernel extension" library function makes it easy to write to the on-board flash memory.

## WHY PANEL-TOUCH?



### ***What's so special about the Panel-Touch that makes it different from other controllers on the market?***

The Panel-Touch Controller has it all: a powerful embedded computer with plenty of I/O, combined with a graphical user interface and a touchscreen. This compact unit is the most affordable instrument controller on the market, available for an OEM price of only \$595 (in 100s).

### ***How do I program it?***

This user-friendly controller is easily programmable in Forth or C. Compile your application on a PC and download the code to the Panel-Touch Controller where it is automatically executed.

### ***What about an RTOS?***

A fast real-time multitasking operating system is built-in, facilitating both co-operative and preemptive task switching.

### ***How do I create customized screens?***

You can use most Windows paint programs, such as PC Paintbrush, to create logos, system diagrams and icon-based control panels.

### ***What if I need some special I/O for my project?***

I/O capabilities are unlimited with plug-in modular Wildcards. This makes the Panel-Touch Controller an ideal solution for your instrumentation or automation project!

## DATA ACQUISITION IS A SNAP WITH MOSAIC'S NEW WILDCARDS



A new family of Wildcards is available from Mosaic Industries to further expand the control capabilities of the Panel-Touch Controller, a C programmable embedded computer combined with an operator interface.

These modular 2"x2.5" plug-in boards are ideal for applications requiring multiple I/O points, high resolution, data acquisition and real-time control.

Up to eight Wildcards may be connected at once to the Panel-Touch Controller providing up to 56 24-bit A/D inputs, 160 programmable digital I/O lines, 32 AC control lines, or 24 DC control lines.

The new expansion modules are available for:

- 24-bit sigma-delta analog-to-digital data acquisition
- RS 485 serial communications
- 16-bit A/D and 12-bit D/A conversion
- opto-isolated control of DC and AC loads
- high voltage switching
- removable mass memory cards and much more....

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

Mosaic's Panel-Touch Controller and Wildcard series promote a high level of software/hardware integration for rapid prototyping of new products.

