High quality data acquisition and embedded control products.

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VP-2111: C Language Based ViewPAC with MiniOS7 Inside

In the ever-optimizing worlds of factory automation, environment monitoring, building management and industrial machine control, a seemingly contradictory set of demands are being made of the technology: it has to quicker yet not fickle, more robust but un-cumbersome, filled with features and fluent in many communication protocols yet simple, intuitive and cost-effective. Fortunately, ICP-DAS' ViewPAC line, specifically our VP-2111, is up to the challenges of optimization. Continuing in ICP-DAS' tradition of combining devices into more integrated and efficient technology solutions, the VP-2111 is a triple-synthesis of PLC, PC and HMI functionality, equipping a host of communication options like Ethernet and RS-232/485 and 3 I/O expansion slots for these or FRnet or CAN Bus communications, a DOS-like OS called MiniOS7 tailored to the priorities of automation, a TCP/IP server template called XServer that markedly accelerates development time, a 16-bit CPU as well as graphic display and silicon rubber keypad.

So let's get technical. Within MiniOS7, users can program .exe programs in C language and download programs to the controller via RS-232 or Ethernet. Turbo C 2.0 or Turbo C++ 1.01 are freeware compilers that can be used to generate executable files. The CPU is a 80186 and runs at 80MHz sporting an RTC, Dual Battery Backup SRAM and Watchdog Timer. So that's good. The aforementioned Ethernet is Auto-negotiating 10/100 Base-TX with Auto MDI/MDI-X and LED indicators. The LCD is 128 x 64 dot matrix with text in English and Simplified Chinese. It is the proud owner of 24 keys. Also, it has a buzzer. The I/O expansion slots are 3 in number and are good with High Profile I-8K and I-87K Modules and have Hot Swap for DI, DO, AI, AO, counter/frequency and motion control. The VP-2111 is like that guy that never sweats and never gets cold because it runs smoothly through temperatures -15 ~ +55 °C and is fine in relative humidity of 5 ~ 90% RH, non-condensing. The VP-2111 has all the performance and cost-effectiveness you expect of our PACs and it's more communicative and interactive than ever. Adaptability: Optimized. Edge: Cut.

ICP DAS USA is a cost effective leader in the US industrial market; offering a stunningly competitive price/performance ratio, while catering to the latest solutions for current industrial trends. We seek to provide our customers with cost effective, flexible, and easy to use solutions for their Data Acquisition and Embedded Control Applications. ICP DAS USA provides a great variety of products with modular and universal solutions for any scale application or projects

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit our website at www.icpdas-usa.com, or give us a call, toll free, at 1-888-971-9888 and one of our engineers would be happy to assist in reviewing the project requirements, ensuring that the highest quality solution is presented in your final application.

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