High quality data acquisition and embedded control products.

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LinPAC-8000 Series: Embedded Controller with Dual 10/100 Base-TX Ethernet Ports and 1/4/8 I/O slot(s) options

That sound is two powerful technologies fusing. Our LinPAC-8000 line is a serious specimen, combining the IQ and versatility of PC-based control with the reliability and streamlined functionality of PLC's (Programmable Logic Controllers). It's a PAC (programmable automation controller) loaded with thoughtful features to ensure a smooth integration into your automation lines, with robust redundancies that keep these machines performing even when power and data lines are on the fritz.

Start with an operating system especially suited for embedded control, the Linux kernel 2.6.19 OS. Its kernel size and boot speed recommend it for conducting major data traffic. This OS will run on a new CPU more than twice as fast as its predecessor (520 MHZ). Then add the VxComm technique, which neatly upgrades serial devices to Ethernet devices by virtualizing their COM ports. And knowing you'd like to implement your components snappily so we've added built-in server technologies like a web server that effectively allows the LinPAC to be controlled through a website as well as Ftp, Telnet and SSH Servers and UpnP which allows automatic discovery and control of network services. No modern machine should be an island, and the LinPAC sports wireless LAN, PPP over Modem, GPRS, Ethernet, and Dual LAN communications. Add Expansion serial ports allowing up to 30 serial ports and support for USB to Serial Converters (7560/61/63) and communication options multiply. Added security is supplied by each modules unique Serial Number which locks a user's programs to a specific LinPAC. With the Java I/O Driver and Perl and PHP Interpreter the LinPAC has its own computer language translator on hand. Access to the libi8k.a library file and the GTK+ library facilitates programming considerably.

Power and communication lines can't always be trusted, especially in demanding environments. The LinPAC-8000 sports a host of redundancies to keep it performing when other components aren't. Redundant Ethernet communication is provided with one virtual COM port on a PC mapping to one COM port on the LinPAC-8000 via two IP addresses, maintaining communication even during disruptions. Dual battery backup SRAM means your data will be retained while power is off for 5 years while the dual design avoids data loss when old batteries are replaced. Finally, the LinPAC-8000's power module is designed with two inputs, staying poised even when one power input fails while simultaneously alerting a relay output the power has failed. Further protecting operation, the ventilated housing design keeps the module running smoothly between -25°C ~ +75°C. The LinPAC-8000 is available in three models with 1, 4 or 8 slots.

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.