High quality data acquisition and embedded control products.

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XP-8000: Standard Windows XP Embedded 2009 Controllers

XP-8000 series is a family of embedded personal computers designed specifically for industrial control. They bring the familiarity and power of the Windows operating system and allow development of advanced applications for industrial environments. Windows Embedded Standard 2009 has the same Win32 API as Windows XP Professional so almost every desktop program can be easily ported to XP-8000 Controllers. This effectively reduces development time and costs. XP-8000 brings portability, survivability, reliability and expandability. Popular features like Internet Information Services, FTP server, HTTP server, ASP.NET, SQL Express 2005, .NET Framework 3.5, Internet Explorer, Outlook Express, Windows Media Player, and remote desktop connection are included. XP-8000 Controllers have Quicker, a built in OPC server, so SCADA software can easily integrate I/O modules. Visual Studio 2003/2005/2008 and Visual Studio 6.0 are X-PAC commonly used development environments. ICP DAS provides a SDK and demo programs for Visual C#.NET, Visual Basic.NET, Visual C++, Borland Delphi and C++ Builder. XP-8349-300 is our SCADA solution with Indusoft which provides point and click, drag and drop application development.

XP-8000 equips an AMD LX 800 CPU (500 MHz) running a Windows Embedded Standard 2009 operating system. It has a built-in VGA port which can be directly connected to a regular LCD display. Users can operate HMI or SCADA software on XP-8000 with a display, USB keyboard and a USB mouse just like on a regular PC. It has a built in flash disc which is the best storage media in vibration environments. XP-8000 provides two Ethernet ports which can be used to implement redundant Ethernet communication and separate Ethernet communication (one for global Internet, one for private Ethernet). XP-8000 controllers have 3 and 7 slot versions for high performance parallel I/O modules (high profile I-8K series) and serial-type I/O modules (high profile I-87K I/O modules) for DI, DO, AI, and AO.

To maintain important data while power is off, XP-8000 equips a 512KB SRAM with two Li-batteries. To prevent failure by power loss, the power module is designed with two input connectors. If a power input fails, the power module switches to the other power input. There is a relay output for informing the power failure. Dual watchdog timers enhance reliability. They are designed to automatically reset the CPU when the OS or AP fails. XP-8000 controllers are housed in a plastic-based box with a column-like ventilator which allows operation between -25°C and +75°C.

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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