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Divelbiss HEC-P6000 Family of Harsh Environment Controllers – HEC Controllers with Expanded Analog in Digital World

Fredericktown, OH February 7, 2017 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of the HEC-P6000 Family of controllers, offering powerful control and communications capability for the harshest environments. Programmed using the no-cost Divelbiss EZ Ladder Toolkit in **Ladder Diagram, Function Block, and Structured Text**, and based on P-Series PLC on a Chip™ technology, the HEC-P6000 family provides maximum flexibility for controlling mobile equipment, communicating with various serial buses and communications protocols, logging system data, or adding **Internet of Things (IoT)** capability to existing systems with the Divelbiss VersaCloud M2M platform.

Featuring a sealed enclosure that is designed for the harsh duty commonly found in mobile environments, HEC-P6000 family controllers have a high I/O count with 14 digital inputs, 3 high speed counter inputs, a quadrature encoder interface, 14 digital outputs rated for 2A each (of which 12 are PWM capable), and more analog I/O than any previous HEC controller; including 4 analog inputs which are user configurable as 0-5V, 0-10V, or 0-20mA inputs and 2 analog outputs which are 0-10VDC. If additional I/O is required, the CAN and serial ports may be utilized to communicate to expansion I/O or additional controllers. The controllers feature two serial ports, which are user configurable as RS232 or RS485, and supports **MODBUS RTU/ASCII** protocols as either a Master or a Slave device. The serial ports are also directly programmable via the Structured Text programming language, allowing the implementation of custom protocols, which makes them ideal for communicating to bar code scanners, RFID readers, or other serial devices. Two CAN ports are available and fully support the **SAE J1939** and **NMEA2000** protocols. **Ethernet and Wi-Fi** ports can be used for **MODBUS TCP** Server and Client communications, as well as IoT communications with the VersaCloud M2M platform. HEC-P6000 controllers have optional **cellular** capability for communicating with the [VersaCloud M2M](#) platform. A **GPS** option is also available.



HEC-P6200 Harsh Environment Controller

For applications that require **data logging**, HEC-P6000 controllers are available with a **Real-Time-Clock, 512K of battery backed SRAM**, and internal **Micro SD card** socket. These features give the user ultimate flexibility and options for implementing data buffering and logging. When utilized with the Divelbiss [VersaCloud M2M](#) platform, HEC-P6000 family controllers can communicate data to VersaCloud, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export. HEC-P6000 family controllers support supply voltages from **8-32VDC** and have a wide operating temperature range of **-40°C to +80°C**, making them suitable for use in applications with extreme environmental requirements.

HEC-P6000 family controllers give the user the ability provide **machine control, Data Logging** and **IoT Connectivity** to virtually any application in the mobile, industrial, environmental, agricultural, construction, and other markets. As a part of the Divelbiss [VersaCloud M2M](#) complete end-to-end IoT connectivity solution, HEC-P6000 controllers provide a powerful, flexible system to enable remote control and communications.

To purchase any of the [HEC-P6XXX Controllers](#), VersaCloud M2M Service, [EZ Ladder Toolkit](#) software or for more information, please call 1-800-245-2327, visit www.divelbiss.com or email sales@divelbiss.com.

Divelbiss Corporation, a leader in the development and manufacture of state-of-the-art industrial electronics since 1974, provides R&D operations, design services and manufacturing at our corporate headquarters located in Fredericktown, Ohio. [Divelbiss Corporation](#) is ISO-9001:2008 with Design certified.

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