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Divelbiss HEC-P2000 Series of Controllers -
Harsh Environment Control and IoT Connectivity in a Small Package

Fredericktown, OH July 23, 2020 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of the HEC-P2000 Family of **IoT** enabled controllers, offering powerful featured control capability in the harshest of environments. Programmed using the FREE Divelbiss EZ Ladder Toolkit in **Ladder Diagram, Function Block, and Structured Text**, and based on P-Series PLC on a Chip™ technology, the HEC-P2000 family provides maximum flexibility for controlling mobile equipment, communicating with various serial bus protocols, logging system data, or adding **Internet of Things** (IoT) capability to existing systems.

Featuring a sealed **NEMA 4** enclosure that is designed for the harsh duty commonly found in mobile environments, the HEC-P2000 family of controllers have an I/O count with 8 digital inputs, 3 high speed counter inputs, a quadrature encoder interface and 8 digital outputs rated for 2A each (of which all are PWM capable). If additional I/O is required, the CAN and serial ports may be utilized to communicate to expansion I/O. The controllers feature two serial ports (one RS232 and one RS485) which supports **MODBUS RTU/ASCII** protocols as either a Master or a Slave device.

Harsh Environment Controller HEC-P2000

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.

The CAN port fully supports the **SAE J1939** and **NMEA2000** protocols. The HEC-P2000 family has **cellular** capable models for communicating with the Cloud Portal Solutions. A plug-in **GPS** module is available for connection to the serial port (R232) for global positioning and time syncing of the on-board **Real Time Clock**

For applications that require **data logging**, the HEC-P2000 family supports an internal **SD card**. This feature gives the user flexibility and options for implementing data logging with time stamps to the SD Card. When utilized with the Cloud Portal Solutions, the HEC-P2000 family can communicate data to the cloud, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export. The HEC-P2000 family supports **COAP** and **MQTT** Cloud Portal Solution protocols. The HEC-P2000 family controllers support supply voltages from **9-32VDC** and have a wide operating temperature range of **-40°C to +80°C**, making it suitable for use in applications with extreme environmental requirements.

The HEC-P2000 family gives the user the ability to 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 a Cloud Portal Solution, the HEC-P2000 family controller provides a powerful, flexible system to enable remote control and communications.

To purchase any of the **HEC-P2000** Controllers, **EZ Ladder Toolkit** software, to learn more about Cloud Portal Solutions 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-9001:2015 with Design certified.

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