P-Series Bear Bones PLCs with IoT and Telematics Connectivity

Fredericktown, OH November 18, 2015 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of enhanced models and expansion capabilities of the P-Series Bear Bones Family of OEM programmable logic controllers. The P-Series Bear Bones PLC family offers powerful control capabilities and is now telematics and IoT enabled with the Divelbiss VersaCloud M2M platform. 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 P-Series Bear Bones PLC family provides maximum flexibility for interfacing to and controlling equipment, communicating with various serial bus protocols, logging system data, or adding **Internet of Things** (IoT) and Telematics capability to existing systems.

P-Series Bear Bones PLC with IoT

Featuring open-board construction, P-Series Bear Bones PLCs are mounted using industry standard standoffs and have an I/O count with 8 digital inputs, 8 digital outputs rated for 2A each, and 8 analog inputs which are user configurable as 0-5V, 0-10V, or 0-20mA. One CAN port is available and fully supports the **SAE J1939** protocols , the **NMEA2000** protocols and can be used to communicate to digital I/O expansion boards and other controllers using Divelbiss OptiCAN. Using plug-in expansion boards, the P-Series Bear Bones PLCs have optional **cellular** and **Wi-Fi** capabilities for IoT/Telematics communications with the VersaCloud M2M platform. A **GPS** option is also available. **Ethernet** and **Wi-Fi** ports can be used for **MODBUS TCP** Server and Client communications.

For applications that require **data logging**, P-Series Bear Bones PLC family solutions are available with a **Real-Time-Clock**, **512K of battery backed SRAM**, and can accept a micro **SD card**. These features give the user ultimate flexibility and options for implementing data buffering and logging. When utilized with the Divelbiss VersaCloud M2M platform, the P-Series Bear Bones PLC can communicate data to VersaCloud, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export. The P-Series Bear Bones PLCs support supply and I/O voltages from **8-32VDC** and **90-130VAC**, and can operate over a wide operating temperature range of **-40°C to +80°C**, making them suitable for use in many applications.

The P-Series Bear Bones PLCs give the user the ability to provide **machine control**, **Data Logging** and **IoT /Telematics** 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, the P-Series Bear Bones PLC family provides a powerful, flexible system to enable remote control and communications.

To purchase any of the P-Series Bear Bones PLCs, 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.

###