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Versatile Base OEM Controllers with IoT and Telematics Connectivity

Fredericktown, OH September 17, 2015 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of enhanced models and expansion capabilities of the Versatile Base (VB-2000) Family of OEM controllers. The VB-2XXX family offers powerful control capabilities and is now Cloud Communications enabled with the

VB-2XXX OEM Controller with IoT

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^{TM} technology, the VB-2XXX 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.

Featuring open-board construction, the VB-2XXX is mounted using industry standard DIN rail and has a high I/O count with 12 digital inputs, 3 high speed counter inputs, 8 digital outputs rated for 2A each (which are all PWM capable), 7 analog inputs which are user configurable as 0-5V, 0-10V, or 0-20mA inputs and 1 analog output that is user configurable as 0-10V or 0-20mA. Additional digital and analog I/O, including thermocouple inputs may be added using plug-in expansion boards. The VB-2XXX controllers feature one RS232 serial port, one RS485 serial port and each 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. One CAN port is available and fully supports the **SAE J1939** protocols , the **NMEA2000** protocols and can be used to communicate to remote digital I/O and other controllers using Divelbiss OptiCAN. **Ethernet and Wi-Fi** ports can be used for **MODBUS TCP** Server and Client communications, as well as IoT/Telematics communications with the VersaCloud M2M platform. Using plug-in expansion boards, the VB-2XXX has optional **cellular** capability for communicating with the VersaCloud M2M platform. A **GPS** option is also available.

For applications that require **data logging**, VB-2XXX family solutions are available with a **Real-Time-Clock**, **512K of battery backed SRAM**, and can accept an 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 VB-2XXX controller can communicate data to VersaCloud, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export. The VB-2XXX controllers support supply voltages from **8-32VDC** and has a wide operating temperature range of **-40°C to +80°C**, making it suitable for use in applications with extreme environmental requirements.

The VB-2XXX controllers give the user the ability 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 VB-2XXX family provides a powerful, flexible system to enable remote control and communications.

To purchase any of the VB-2XXX 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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