Divelbiss HEC-Gateway Controller – Coupling Industrial Communication Buses and IoT in Harsh Environments

Fredericktown, OH January 12, 2016 – Divelbiss Corporation, serving the electronics and industrial control industry since 1974, announces the introduction of the HEC-Gateway Controller, a harsh environment enhanced communications controller with minimal I/O; capable of translating between various industrial bus protocols and Cloud Communications 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 HEC-Gateway provides maximum flexibility when translating between different serial bus protocols, data logging or adding IoT connectivity to existing systems.

The HEC-Gateway supports communications through a multitude of ports. It features two RS232 serial ports that support MODBUS RTU/ASCII protocols as either a Master or a Slave device and 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. A GPS option is also available. One CAN port is available which is isolated, NMEA compliant and fully supports the SAE 1939 and NMEA2000 protocols. Wi-Fi connectivity can be used for MODBUS TCP Server and Client communications, as well as IoT communications with the VersaCloud M2M platform. The HEC-Gateway has optional cellular capability for communicating with the VersaCloud M2M platform.

Divelbiss HEC-Gateway

For applications that require minimal I/O with bus or IoT communications, the HEC-Gateway provides digital and analog I/O. The HEC-Gateway includes a digital input configurable as NPN or PNP and can operate as an on/off input or as a counter/frequency input up to 100 KHz, a sourcing digital output with a two ampere current capacity and two 12 bit resolution analog inputs that are independently configurable as 0-5VDC, 0-10VDC or 0-20mADC. The HEC-Gateway, with its sealed enclosure, power voltage range from 9-32VDC and wide operating temperature range of -40°C to +80°C, is ideal for use in applications with extreme environmental requirements.

The HEC-Gateway gives the user the ability to add Data Logging and IoT Connectivity to virtually any application in the mobile, industrial, environmental, agricultural, construction, and other markets. The HEC-Gateway data logging features include a Real-Time-Clock, 512K of battery backed SRAM and a 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, the HEC-Gateway can communicate data to a VersaCloud portal, where it is date/time stamped and stored in the Cloud database for later viewing, analysis, and export.

As a part of the Divelbiss VersaCloud M2M complete end-to-end IoT connectivity solution, the HEC-Gateway provides a powerful, flexible system to enable remote control and communications.

To purchase any of the HEC-Gateway 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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