

October 27, 2020

Divelbiss E-Newsletter - October 2020



Application Notes for Azure IoT Central using MQTT

Two new application notes are now available for implementing Azure IoT Central using Divelbiss Controllers and MQTT. These provide descriptions and example programs including an Azure IoT Central and Device template link for a quick start. Use your Microsoft Azure account or create a new one to get started.

AN-123 - Send & Receive Data

- Example demonstrates using the VB-2000 Series controller connecting to Microsoft's Azure; using MQTT to send and receive data (variables). [View AN-123](#)

AN-124 - GPS Location & Tracking

- Example demonstrates using the VB-2000 Series controller connecting to Microsoft's Azure; using MQTT and GPS to an asset tracking map. [View AN-124](#)

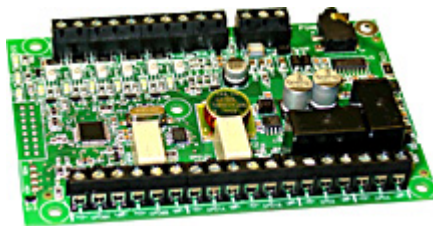
Additional application notes are available, see the complete list [here](#).

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Product Highlight - Micro Bear Controllers



Model: ICM-MB-110



Model: ICM-MB-100

Smarter than the average Bear, [Micro Bear Controllers](#) are fully-featured single board controllers with an operating temperature of 0°C to 60°C. The Micro Bear controller, (ICM-MB-100) features include digital inputs, relay outputs, a counter input and an analog input making it a cost-effective control solution for OEMs to standardize on. Download the [Brochure](#).

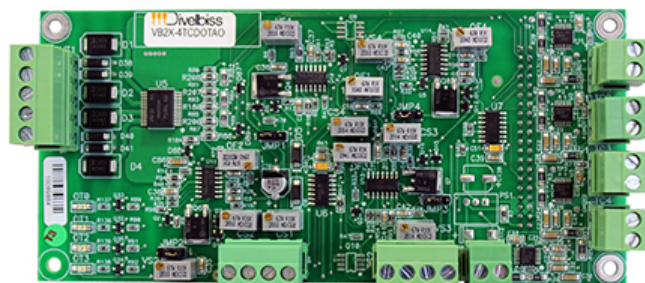
The ICM-MB-110, provides additional features including push buttons, 7 segment programmable display and two additional analog inputs. Download the [Brochure](#).

Micro Bear Controllers program using EZ LADDER Toolkit and are powered with 9-32VDC and are a small foot print making them ideal low I/O solutions where cost and size are important.

New Product Spotlight VB2X-4TCDOTAO VB-2000 Series Expander

The [VB2X-4TCDOTAO](#) is a vertical mount plug-in expander for the [Versatile Base \(VB-2000\) Series Controllers](#).

The VB2X-4TCDOTAO expands the [VB-2000 Series](#) capabilities in temperature monitoring, digital outputs and analog outputs for both open-loop and closed-loop control.

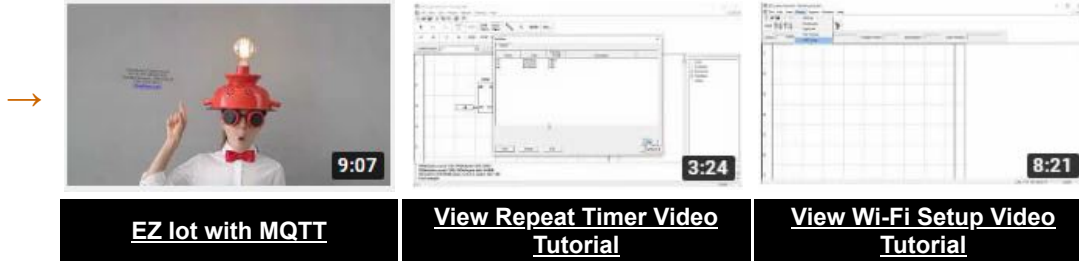


- **4 Individually Configurable Thermocouple Channels Types B, E, J, K, N, R, S and T**

The VB2X-4TCDOTAO, paired with a [VB-2000 Series controller](#) provides control over Digital I/O, Analog Inputs, Analog Outputs, Thermocouple Inputs and Communications.

- **4 12-bit Analog Outputs, Individually Configurable as 0-10VDC or 4-20mADC**
- **4 Sourcing Digital Outputs with On/Off or PWM Functionality**
- **Auxiliary 5VDC Supply**
- **-40°C to 80°C**
- **Mounts Vertically to VB-2000 Series Controller**

Product support and “how to use” instruction is important to us here at Divelbiss Corporation. Please see our videos and video tutorials hosted on Youtube.



Divelbiss is looking forward to helping you with your current and upcoming control and IoT needs. Please contact Divelbiss Corporation at sales@divelbiss.com or call **1-800-245-2327**.