



## **XetaWave Announces Expansion of I/O Products, Wire Replacement, PLC-BASIC Interpreter & Data Concentrator**

LOUISVILLE, CO, September 18, 2018 / -- XetaWave, a Colorado-based leader in wireless technology, XetaWave announces the release of a significant expansion and next generation of its I/O products including the Emancipator 2+ (EM2+) Superset and the Emancipator 2- (EM2-), and 3 new software modules – Wire Replacement, PLC-BASIC Interpreter, and Data Concentrator. The EM2+ Superset is a new, low cost board level I/O radio that provides support for low count analog input and digital input. The EM2+ is available in both the uTasker and Linux operating systems, offers easy configuration through USB, and includes all firmware capabilities provided through the XetaWave software defined (SD) platform including ModBus RTU, Modbus TCP, data concentrator, and more. The EM2- is an even lower cost option specifically designed for flame status monitoring or other applications that require low power and a single input - accessible through ModbusRTU.

Continuing its custom development and module framework, XetaWave has released three new software modules – Wire Replacement, PLC – Basic Interpreter, and Data Concentrator for Linux. Each software module can optionally be added to devices with no additional licensing or cost such that each device can be customized with the feature sets and capabilities that are needed.

Wire Replacement allows the replication of an input wire on any XetaWave I/O device within a network (either radio or IP) to an output point on another XetaWave I/O device. Wire replacement eliminates the need to trench and run conduit and wire thereby saving significant time and money. Data transformation enables digital input to analog output, analog voltage input to analog current output. Unique to XetaWave and providing far more flexibility than competitive offerings, each virtual wire can be completely defined by the user and there are no limits on the number of virtual wires.

XetaWave has also released a PLC-BASIC Interpreter which enables users to put their own custom logic on an edge device in a simple programming language that anyone can understand and write. More complex safety shutdown systems, automatic valve closure, advanced data transformation, automatic response to inputs and more are now available within all Ethernet devices through the XetaWave PLC-BASIC Interpreter.



Lastly, XetaWave's Data Concentrator, previously available for its uTasker operating system, is now available for Linux in an even more powerful version. The Data Concentrator for Linux allows for "infinite" devices, "infinite" polls, and data transformation on each value. Format translation, slope/offset, arbitrary math are all available to ensure the output map is most useful. Data Concentrator can lower bandwidth consumption on licensed links by factors of 10, lower I/O loads on RTUs/PLCs, and eliminate hardware variances in the field for the EFMs.

In addition to these significant product announcements, MQTT and data logging capabilities are in final development and will be released in Q4 2018.

XetaWave will be demonstrating its new products at ASGMT (American School of Gas Measurement Technology) at the Marriott Westchase in Houston this week, September 17-20, Exhibit #173. Information on all XetaWave products can be accessed on its web site at [www.xetawave.com](http://www.xetawave.com).

### **About XetaWave**

Founded in 2010, XetaWave is a leading provider of the industry's most advanced, high performing, cost effective platform of software defined radios across multiple bands to meet the worldwide application needs of industries such as oil and gas, water and wastewater, electric power, railroads, and the military. The current platform of XetaWave radios includes Xeta9 (902-960 MHz) dual band ISM/MAS, Xeta9-XX Double X (902-960 MHz) offering speeds up to 8.8 Mbps, Xeta1 (150-232 MHz), Xeta2 (217-222 MHz), Xeta3 (VHF/UHF 225-380 MHz), Xeta4 (406-512 MHz), Xeta7 (700 MHz), Xeta13 (1.3 GHz), Xeta14 (1.4 GHz), Xeta24 (2.4 GHz), XetaCS Communication Station, Ethernet and Serial IO and a Data Concentrator. XetaPAK is XetaWave's advanced battery management system. All XetaWave radios and batteries are 100% designed, manufactured, and tested in-house at its headquarters in Louisville, Colorado. For more information, visit [www.xetawave.com](http://www.xetawave.com) or call 303-447-2745.

### **Media Contact:**

Kim Sawyer, VP, Marketing  
Email: [kim@xetawave.com](mailto:kim@xetawave.com)  
ph: 303-884-9157