HMI Brings OPC UA into Harsh Environments

The headlines about hacking into company databases have become quite prevalent and scary. The "Achilles Heal" or soft spot in our industry lies with the way data is transmitted from an HMI platform to a user's main IT system. But thanks to the OPC UA standards and certification, our industry is becoming more vigilant and now provides our customers with an industry validation that our products can be relied upon even more to prevent hacking incidents as well as more headlines. This standard ensures the seamless flow of information among devices from different vendors as long as those devices are all OPC UA certified.

Exor, a producer of HMI interfaces and JMobile HMI software delivering industry leading and superior end user experiences, is proud to announce that all new JMobile software driven HMI solutions are now OPC UA compliant. Exor has joined a growing movement to build industry protocol standards for the secure and reliable exchange of data in the industrial automation space and in other industries governed by the OPC UA standards.
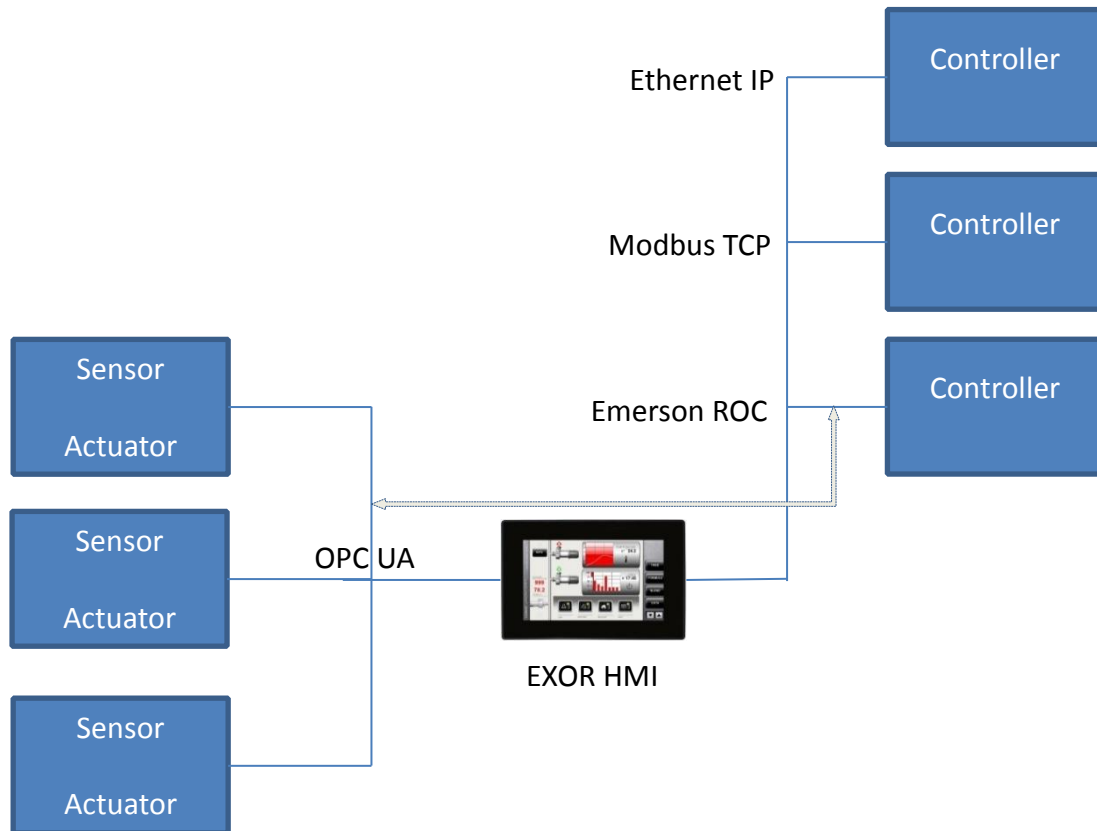
"By providing our customers with the OPC UA with all JMobile software driven HMI solutions, Exor customers can now have a level of assurance that if their main IT platform which is interfacing with our Exor platform and JMobile software meet OPC UA standards and their entire system will be more secure. Now our customers with mainframe IT communication interfaces with OPC UA can have a much more secure data communication system. Exor is one of the industry leaders in providing OPC approved connectivity from an HMI platform, especially in harsh environments." said Giuseppe Pace, president of Exor.

The OPC UA implementation of JMobile software coupled with Exor's industry leading Harsh Environment Solutions offers secure data connectivity with field, control, and information level devices in a ruggedized, outdoor rated, high brightness HMI that thrives in the harshest of environments. Exor's harsh environment HMI's and JMobile's OPC UA means Exor is one of the few HMI manufacturers offering such a rugged and information secure combination allowing users to easily and securely communicate with devices such as OPC UA compliant controllers, sensors, and information level systems.

Exor is a Global Manufacturer of HMI & HMI with Control solutions focused on enhancing the "User Experience". Exor has a rich history of significant advances in the world of HMI programming software and hardware producing high quality, innovative, and visually appealing Human Machine Interface solutions. Driven by a long experience in the field, our flagship offer, JMobile Configuration Software, Series 500 Resistive Touch HMI, and Series 600 "True Glass" Capacitive Touch HMI, "allows for crafting a more visually appealing, better "User Experience".

JMobile HMI software offers industries' finest flexibility, connectivity, and portability; Web & Network enabled HMI solutions for secure control & data, anywhere, from any device. JMobile offers one of the richest choices of communication drivers in the industry. The capability to support up to 4 concurrent communication protocols matched with an efficient gateway function, makes the Exor HMI a great tool for the integration of industrial applications.

The introduction of the OPC UA client communication protocol makes the product even more appealing for integration with the most recent technology offering the level of security that the industry demands. The implementation of OPC UA client communication in JMobile HMI offers seamless connection with any OPC UA server device. The HMI running JMobile software acts as a gateway offering communication services to other devices in the system.

EXOR HMI

This combination offers greater value in harsh environments where operation of a touchscreen HMI may be challenging. Choosing Exor as your HMI solutions partner will bring with it immediate value to your Harsh Environment applications and end user customers. The eTOP507G, eTOP510G, eTOP515G, Harsh Environment, Outdoor Rated, High Brightness HMI offers "best in class" screen resolution resulting in crisp, clear text and graphics. The eTOP G Harsh Environment HMI is subjected to rigorous Multi-Axis, Multi-Frequency Vibration testing and has a thick ruggedized Bezel w/ Screw mounted power connectors well suited for rough terrain & high vibration environments. ATEX and Class I Division 2 rated for hazardous locations while offering the ability to connect USB Mouse & keyboard for operation in Class 1, Division 1 environments and cabinet inside cabinet installations. High Brightness for outdoor visibility, Wide temperature range (Operating Range -20c to +60c, Storage range -40c to +85c), Ruggedized Glass touch resistant to UV, and Bonded to the LCD for better transparency & moisture ingress protection. In addition, Exor HMIs are Marine Certified for "Heat & Damp" with all boards having a protective acrylic coating for moisture resistance. The wide power range of the eTOPG (10 - 32 VDC) allows for powering via a 12V battery and is perfect for Alternative Powered (Solar/ Wind) installations.