



# IoT EDGE COMPUTING PROTOCOL BUILDER

## PROVIDING INTEROPERABILITY FOR PROPRIETARY PROTOCOLS

*“IoT deployment ... major challenges include device compatibility, support for multiple protocols and standards, and integration flexibility”* Gartner Top 10 IoT Technologies for 2017 and 2018

Despite efforts to standardize IoT protocols, there are more new protocols being created than ever before proliferated by exponentially growing number of connected devices. McKinsey estimates that interoperability could delivery \$4 trillion out of an \$11.1 trillion IoT economic value, a staggering 40% impact. However, interoperability is still one of the top challenges faced by companies deploying IoT due to the sheer number of new standards and custom protocols being introduced compounded by lack of engineers with protocol expertise.

### What is Interactor® Protocol Builder

Protocol Builder is a feature within Interactor® that provides a configurable way to define how one protocol works with another. Protocols are designed based on a structure and rules. To create interoperability for a protocol using Interactor®, a user simply maps the protocol packet structures for both the input and out devices. Example diagram below shows how Protocol-A based on Serial is mapped to Protocol-B based on TCP. The user may also create a reusable Service for the protocol to be available for future deployments. In conjunction with Interactor’s powerful edge computing platform features, Protocol Builders helps companies realize 40% more economic value on the IoT deployments.

