



The Industrial Internet of Things (IIoT), which is also known as Industry 4.0 when applied to the manufacturing industry, is a concept of integrating smart manufacturing machinery, AI-powered automation, and advanced analytics to help make every worker and every factory more efficient. The IIoT will revolutionize manufacturing by enabling the acquisition and accessibility of far greater amounts of data both faster and more efficiently than ever before.

Industrial Internet of Things can be visualized on the IOT 4.0 kit by BOSCH Rexroth, this kit can control the Drive and access the PLC functions in real-time from a remote device on the wireless network. The wireless access to PLC is possible as PLC is connected to the network via ethernet. This allows the remote user to control the actuator connected through drive and also get the precise position details from encoders. The real-time data of all the devices like PLC, actuators can be read on the remote devices which are authenticated for accessing the information.

Industrial Internet of Things (IIoT 4.0)

System Specification

- Sercos enabled PLC. <<
- Linear actuator with encoder. <<
- Ethernet-enabled PLC with Industrial Router. <<
- Android application for wireless control and monitoring of IIOT setup. <<