

IOT IN A BOX

Softura's "IOT-in-a-Box" is an End to End solution that supports everything from initial data consumption through cloud analytics. "IoT-in-a-Box" contains a microprocessor that will integrate with either analog or digital sensors through communication protocols including SPI, I2C, & UART for data ingestion.

Firmware within the microprocessor handles data packaging, storing, & encryption capabilities. Outbound messages are sent through either MQTT, TCP or UDP protocols to the Cloud for consumption and analysis extrapolation. The "IoT-in-a-Box" platform provides various levels of configurability & protocol flexibility to assist in compatibility with your existing sensors and systems.



Benefits

Prevent Downtime

Machine learning can reduce unplanned downtime by predicting the occurrence of events and errors before they happen.

Real-Time Status

Access real-time status of your machines, equipment and locations including production data, temperature, humidity, pressure, level, etc.

Aggregated Dashboards

One pane of glass as a dashboard to present statics by day, week, month, etc. Built-In analytics compatible with Power BI

Integrations

Softura can develop & integrate - Machine Learning (ML), Artificial Intelligence (AI), Chat-Bots, Advanced Analytics, Cloud Enablement (Azure) and Content & Collaboration, within your business.

Predictive Analytics

Provides up to 90% Accuracy

Learn more at Softura.com | 855-742-7189 | Sales@Softura.com

Extend Your Analytics Capabilities from Hindsight to Insight to Foresight

Descriptive Analytics

- What Happened?

Diagnostic Analytics

- Why Did It Happen?

Predictive Analytics

- What Will Happen?

Prescriptive Analytics

- How To Stop It From Happening?

QUALITY

PREDICTIVE INTELLIGENCE TO IMPROVE QUALITY USING CONNECTED MACHINE DATA

USE OF COMPUTER VISION ALGORITHMS IN AN AUTONOMOUS TECHNOLOGY

AUTONOMOUS

PRODUCT DESIGN

USE OF REAL-TIME ANALYTICS TO UNDERSTAND THE PRODUCT USAGE BETTER

EXTEND THE HMI TO INTELLIGENT VOICE-BASED INTERACTIONS

EXPERIENCE

TIME TO MARKET

REDUCE THE ENGINEERING VALIDATION CYCLES BY USING ML/AI AGAINST TEST DATA RESULTS

USE ADVANCED HMI (OPERATOR DISTRACTION, BEHAVIOR, & USAGE)

OPERATOR SAFETY

CUSTOMER EXPERIENCE

ENHANCE CUSTOMER SELF-SERVICE EXPERIENCE BY USING AN ADVANCED AI CHAT BOT

PREVENT UNPLANNED DOWNTIME FOR A BETTER EXPERIENCE & EFFICIENCY

OPERATIONAL EFFICIENCY