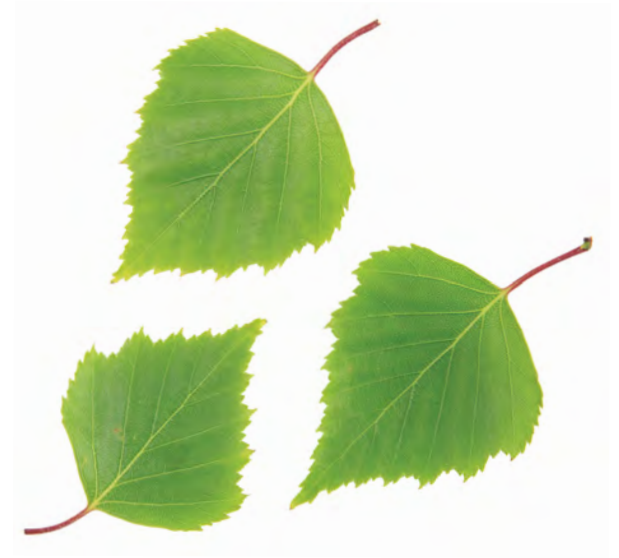## ABOUT US

Beechwoods Software Inc. is a leading provider of software development services and solutions for businesses and OEMs developing embedded and resource-constrained products. Companies have relied on Beechwoods' multinational team of software engineers to help them bring advanced software solutions to market and produce high quality, innovative products.

EXPERTS ON DEMAND

Our seasoned team of software professionals are able to take on self-contained projects to lighten the burden on your staff as well as join your team seamlessly to help deliver high quality products together. With offices in Boston Massachusetts, El Segundo California, and Taipei Taiwan, our team can provide support and services for any time zone.

OUR TEAM

Provides services across multiple domains:
- Embedded software development, engineering, integration, and stack hardening
- IoT platform solutions, integration and interoperability
- Video processing, rendering, and transport
- Set Top Box (STB) development lifecycle (inception to customer deployment)
- Mobile application development (iOS, Android)

We also contribute to Open Source projects and organizations (OCF, RDK, LF Edge).

Innovation.
Collaboration.
Results.

Boston, MA
El Segundo, CA
Taipei City, Taiwan

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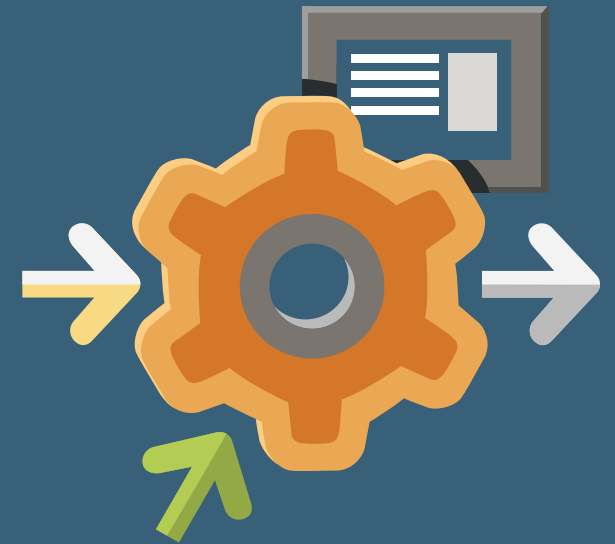beechwoods.com

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EOS- Edge Optimized Solution

What Is EOS?

EOS is an IoT Gateway software solution that has been optimized for Edge Computing applications. EOS is a fully supported edge computing solution which includes a pre-packaged distribution of the latest EdgeX release, dashboard application software, integrated edge analytics, setup scripts and documentation. The solution also supports leading cloud service providers like Amazon IoT Core, Azure IoT Hub and IBM Watson IoT for hybrid cloud use case scenarios.

- Software validated on Embedded Linux and x86 based gateway device platforms

- Software supports both x86 and ARM silicon processor architectures

- Beechwoods' software team offers customization, system integration and support and maintenance services

Deliver innovative products to market faster with our expert team.

ECOSYSTEM SUPPORT

EOS is built upon the EdgeX Foundry, a Linux Foundation open source project that offers an interoperable platform and ecosystem of plug-and-play components to unify the IoT edge computing marketplace.

EdgeX Foundry is now part of LF Edge, an umbrella organization that establishes an open, interoperable framework for edge computing independent of hardware, silicon, cloud, or operating system. Beechwoods technology partners are leaders in the industry, such as Intel, AMD Embedded, LF Edge, IBM Watson IoT and Redis Labs.

FEATURES AND BENEFITS

- Commercially packaged distribution supporting Embedded Linux
- Linux Foundation, Apache 2 project
- Device support for multiple protocols:
     - Industrial: Modbus; BACnet; OPC-UA
     - Wireless: Zigbee; BLE; Z-Wave
     - Message: REST; MQTT; AMQP; DDS
     - Additional device protocols supported upon request
- Cloud/enterprise platform support: IBM Watson IoT, Azure IoT Hub, AWS IoT Platform, Google IoT Core
- Redis database to persist sensor data at the edge
     - Stores application relevant information and allows for alternate persistence storage
- Node-RED integrated for visual display of analytics