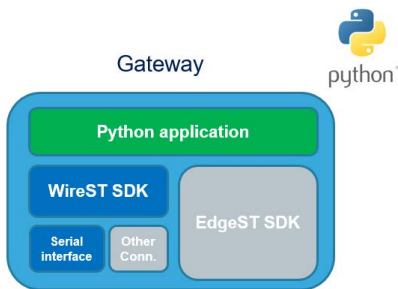# Wired sensor software development kit for Linux gateways

Features

- Software development kit (SDK) written in Python
- Application samples available for a quick startup
- Used in combination with EdgeST-SDK allows reading data from wire-connected sensor nodes and performing local computation on the gateway before sending data to the cloud
- BSD (3-clause) license terms

Description

WireST-SDK is a computing abstraction library for Linux gateways that allows interfacing the gateway to wire-connected sensors.

It supports IO-Link connected devices and implements a proprietary serial communication protocol on RS485 bus.
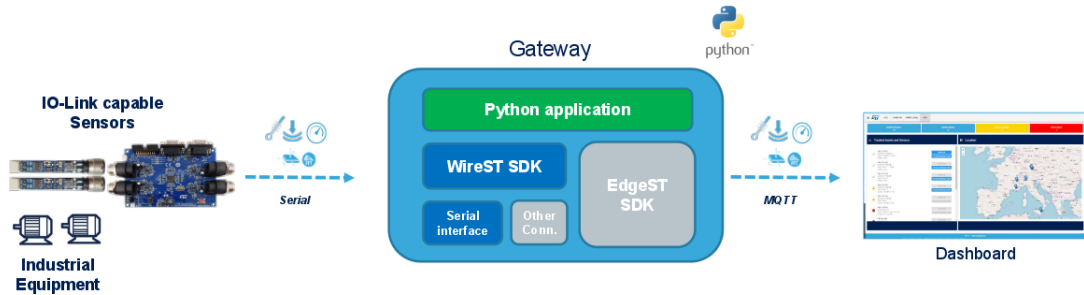
The WireST-SDK is released under BSD (3-clause) license terms.

Product summary	
Wire software development kit	WireST-SDK
Edge computing SDK	EdgeST-SDK

DB3946 - Rev 2 - July 2019
For further information contact your local STMicroelectronics sales office.

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1 Overview

1.1 Block diagram

Figure 1. WireST-SDK block diagram

1.2 Order codes

Table 1. WireST-SDK order codes

Order code	Description
WireST-SDK-Pyt	Python version of WireST-SDK library that allows easy access to the data exported by a master IO-Link device through an RS485 bus.

Revision history

Table 2. Document revision history

Date	Version	Changes
25-Jun-2019	1	Initial release.
10-Jul-2019	2	Updated cover page image.

IMPORTANT NOTICE – PLEASE READ CAREFULLY