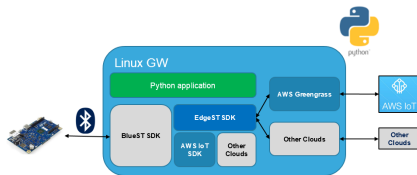## Edge computing software development kit (SDK)

Features

- Written in Python™
- Application samples available for a quick startup
- BSD license terms
- Used in combination with BlueST-SDK allows reading data from Bluetooth low energy sensor nodes and performing local computation on the gateway before sending data to the cloud

Description

EdgeST-SDK is an IoT edge computing abstraction library for Linux gateways.

It relies on cloud platform edge SDKs to enable local execution of functions on a Linux gateway and synchronization with the cloud.

More specifically, it enables the creation of virtual devices on the gateway to map non-IP connected devices (for example, via BLE), and the corresponding shadow devices on the cloud.

Local computation can be directly performed on the gateway with the same logic written for the cloud even when the Internet connection is lost: the shadow devices are synchronized with the virtual devices as soon as the Internet connection is available again.

EdgeST-SDK supports Amazon AWS Greengrass edge computing service and is released under BSD (3-clause) license terms.

Product summary	
Edge computing SDK	EdgeST-SDK
Bluetooth low energy and sensor technology SDK	BlueST-SDK

DB3827 - Rev 1 - January 2019
For further information contact your local STMicroelectronics sales office.

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1   Order codes

Table 1. EdgeST-SDK order codes

Order code	Description
EdgeST-SDK-Pyt	Python version of EdgeST-SDK library that allows connecting and sending data to the cloud.

Revision history

Table 2. Document revision history

Date	Version	Changes
17-Jan-2019	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY