

Breakout Session

Accelerate Your Edge Solution Development Edge Device Qualification with Intel® Edge Software Hub

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Solving Challenges for Edge Solution Development

Intel® Edge Software Hub



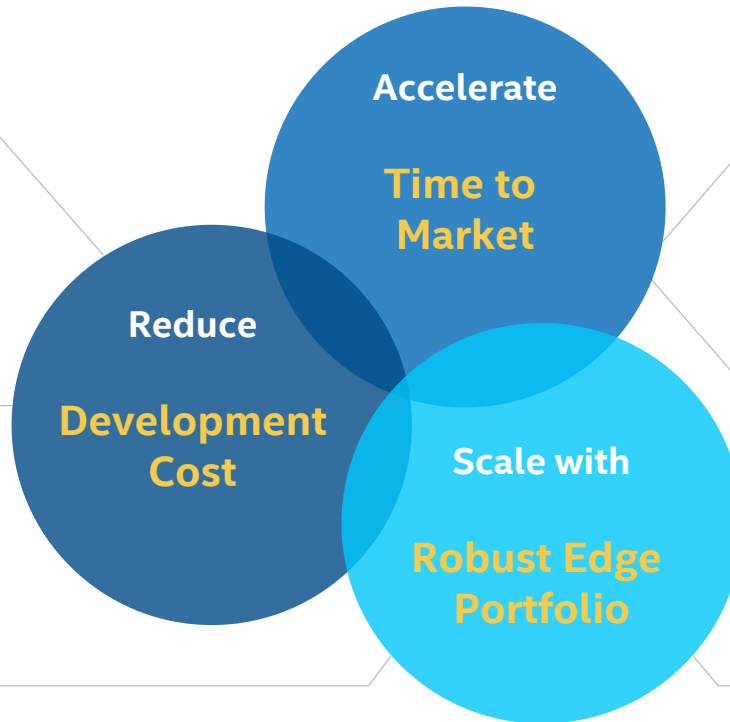
Range of pre-validated HW optimized for performance



Simple setup for rapid customization



Regular releases



Deployment-ready, reusable containerized SW packages



Edge use case-specific reference offerings



Complementary Intel and ecosystem offerings



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What is Edge Device Qualification?

- Edge Device Qualification is a **self-service qualification process** that partners can use as a self-service test tool (EDTDT) to test and validate their products/devices to help ensure the compatibility and quality for Edge Insights Software Packages
- Qualified devices will be listed on the Intel Recommended Device page on Edge Software Hub and will be associated with target Edge Insights Software or target use cases

Four Easy Steps



1. Download EDTDT

Edge Software Hub
Download a recommended configuration or view a customized installation from pre-validated components.
View configuration details

Edge Device Test and Diagnostic Tool
This tool (Edge Tester and Diagnostic Tool) EDTDT offers a reliable framework for testing your devices and validating their compatibility with Edge Software Hub packages.

Download the installer for the Recommended Configuration
Select version and edge kit information

Recommended Configuration

Component	Requirement
OS	Ubuntu 18.04 LTS
RAM	8GB
Storage	16GB
Network	10/100/1000 Mbps
Processor	x86_64
GPU	OpenGL 4.5
Camera	Optional
Microphone	Optional
Speaker	Optional
Webcam	Optional
GPS	Optional
Barcode scanner	Optional
RFID scanner	Optional
Barcode printer	Optional
RFID printer	Optional
Barcode reader	Optional
Barcode scanner	Optional

Download



2. Load & Run EDTDT

```
Successfully installed EDTDT took 0.51 seconds
Installation of package complete
```

Id	Module	Status
5f0567c9fa5828002aa646e4	EDTDT	SUCCESS



3. Apply Qualification

Summary

Property	Value
EDTDT version	1.0
Operation/Testing/UTC	2020-09-24 18:50:18
Duration	0:20:28
Number of test category	3
Test Categories	Trusted/Valid, Test Module/HCCL, Test Module/...

System Info

System Category	Property	Value
OS	OS version	Ubuntu 18.04 LTS
SOFTWARE	OS architecture	x86_64
HARDWARE	Device Manufacturer	80
HARDWARE	Hardware Architecture	x86_64
HARDWARE	Processor	Intel(R) Core(TM) i7-7700T CPU @ 3.80GHz
HARDWARE	Memory Size	16GB
HDD Configurations	Mount	VXN_HDD_VCH180PFXA_G2_2x16
HDD Configurations	Disk Size/Size	1000GB
HDD Configurations	Serial size (logical/physical)	8128-4096
HDD Configurations	Partition Table	GPT
HDD Configurations	Disk Usage Header	Number Start End Size File system Name Flags
HDD Configurations	Disk Usage	1 10240 1000000 1000000 ext4
HDD Configurations	Disk Usage	2 1000000 1000000 ext4
HARDWARE ACCELERATION	VPU	9 Intel(R) Media™ Visual Processing Unit
HARDWARE ACCELERATION	GPU	0



4. Approved & Listed

Recommended Hardware

Device	Manufacturer	Model	Description
Router	Netgear	SRX300	Managed switch
Switch	H3C	H3C S5700	Managed switch
Switch	H3C	H3C S5700	Managed switch
Switch	H3C	H3C S5700	Managed switch

What's the Benefit of Edge Device Qualification?

Bridge Between HW and SW Ecosystem Partners



Developer/ISV/SI

Intel Recommended Device helps all ecosystem partners **find the compatible, reliable, and optimized device with right performance and hardware configuration** to work with Edge Insights Software Packages to accelerate the development cycle with quality



HW Partner

Intel Recommended Device helps HW partners **connect to ecosystem partners like Developer/ISV/SI** to build solutions and **increase their product exposure to scale**

What's Coming for Edge Device Qualification



Intel Recommended Device Page

- New filter option system to find the device by industries, software package, ruggedized spec and geography
- Landing page for user to submit application 24/7



EDTDT

- Support Edge Insights for Industrial
- Support Intel new silicon platform- TGL
- Support OpenVINO™ 2021.3
- Support Ubuntu 20.04
- Skip Intel® Vision Accelerator test cases when HDDL devices are not detected

Accelerate Solution Development for the Edge

Partners

Solutions



Edge Device Catalog

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Thank you
for watching!