



INTEL IOT TOOLS AND SW OVERVIEW

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Intel® IoT Developer Program Overview

software.intel.com/en-us/iot/home

	Program Elements	Details
Outreach	Events	IoT Workshops
	Markets	Retail, Industrial, Smart Video, Automotive
	Cloud	Amazon, Google, Microsoft
Resources	Intel IoT Developer Kits	Grove Commercial IoT Developer Kit, Partner kits
	SDKs	Computer Vision, MRAA/UPM, Media SDK, etc
	Website (IDZ)	Content, Code Samples, Reference Implementations
	Developer Tools	Intel System Studio (Java, C++), XDK (JS)
	Operating Systems	Multi OS Support, all Linux-based
	Hardware	Atom, Core, Xeon



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Cross-Platform and IoT-Ready

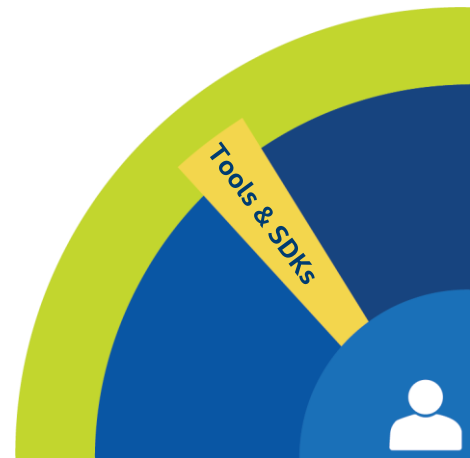
Intel® System Studio

<https://software.intel.com/en-us/system-studio/2017>

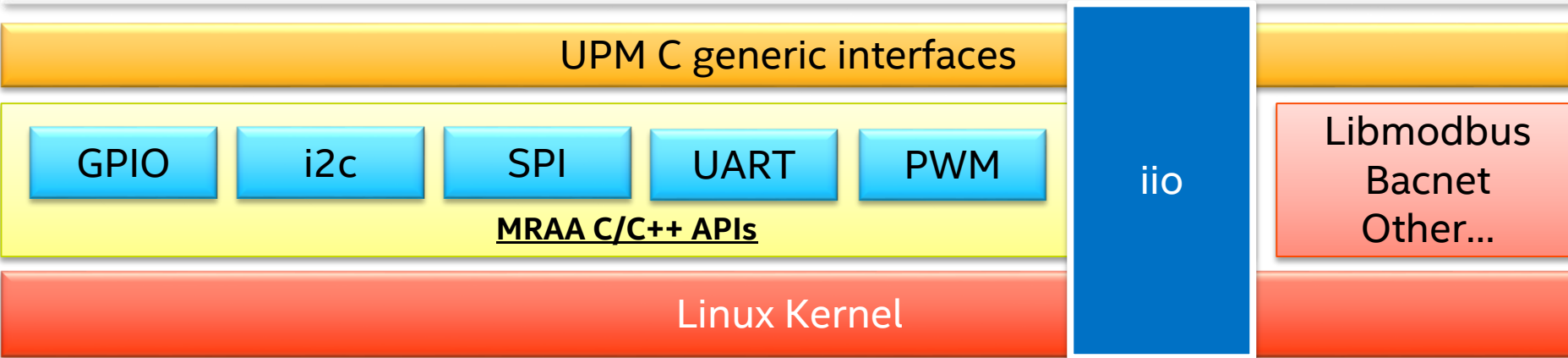
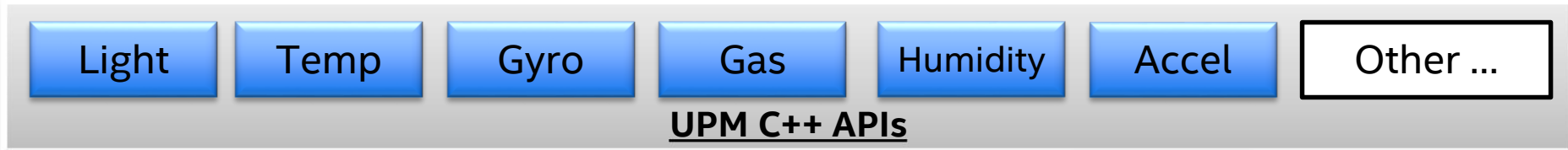
Eclipse*-based for advanced debug, trace, and analysis

SDKs

- [Intel® Computer Vision SDK](#)
- [Intel® Media SDK](#)
- [Deep Learning Training Tool Beta](#)
- [MRAA/UPM](#) – HW abstraction / sensor libraries



Standardized Sensor APIs (UPM)



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Ecosystem & Distribution

Multiple OS support



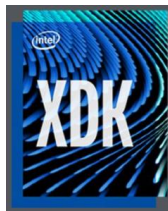
Multiple language support



Distribution

- OPKG
- Ubuntu PPA
- 01.org
- NPM
- Maven/JCenter

IDE Integrations



Code Samples

```
58     int x, y, z;  
59     float aX, aY, aZ;  
60  
61     accel->values(&x, &y, &z);  
62     cout << "Raw Values: X: " << x << " Y: " << y << " Z: " << z << endl;  
63  
64     accel->acceleration(&aX, &aY, &aZ);  
65     cout << "Acceleration: X: " << aX << "g" << endl;  
66     cout << "Acceleration: Y: " << aY << "g" << endl;  
67     cout << "Acceleration: Z: " << aZ << "g" << endl;  
68     cout << endl;
```