IWR1642 Sensor – ES1.0 to ES2.0 transition

IWR1642 ES1.0

- **Pre-production sampling material, not qualified for production**
- **How to identify:**
  - IWR1642BOOST ES1.0 EVM can be identified by no “ESx.x” sticker on the PCB
- **SDK**: mmWave SDK 1.2.x LTS line
- **Silicon Errata: http://www.ti.com/lit/pdf/swrz073**
- **Support:**
  - IWR1642BOOT with ES1.0 silicon are still supported on E2E forum
  - ES1.0 is in feature-locked state, no new features or performance improvements will be released
  - mmWave Industrial Toolbox still provides all demos/source software, but right version must be selected - use table below

Lab Name	Lab Version	SDK Version	Toolbox Version
High Accuracy Range Measurement – 16xx	V1.4	V1.2.0.5	V2.3.1
mmWave SDK Demo -16xx	V1.2	V1.2.0.5	V2.3.0
People Counting Demo	V1.4	V1.2.0.5	V2.3.0
ROS Point Cloud Visualizer	V1.3	V1.2.0.5	V2.3.1
Short Range Radar	V1.0	V1.2.0.5	V2.3.1
Traffic Monitoring	V2.0	V1.1.0.2	V2.3.0

- Instruction on how to select the right version of the toolbox are available at the bottom of this page

IWR1642 ES2.0

- **Production material, fully qualified for production**
- **How to identify:**
  - IWR1642BOOST ES2.0 EVM can be identified by “ES2.0” sticker on the PCB
- **SDK**: mmWave SDK 2.x line
- **Silicon Errata: http://www.ti.com/lit/pdf/swrz073**
- **Support:**
  - IWR1642BOOT with ES2.0 silicon are fully supported on E2E forum
  - ES2.0 is in active feature development and new features/performance improvements are planned for many demos
  - Latest mmWave Industrial Toolbox provides the latest source code for ES2.0

Lab Name	Lab Version	SDK Version	Toolbox Version
High Accuracy Range Measurement – 16xx	V1.5+	Latest Version (2.0+)	Latest Version (2.4+)
mmWave SDK Demo -16xx	V2.0+		
People Counting Demo	V2.0+		
ROS Point Cloud Visualizer	V1.4+		
Short Range Radar	V1.1+		
Traffic Monitoring	V2.2+		

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