

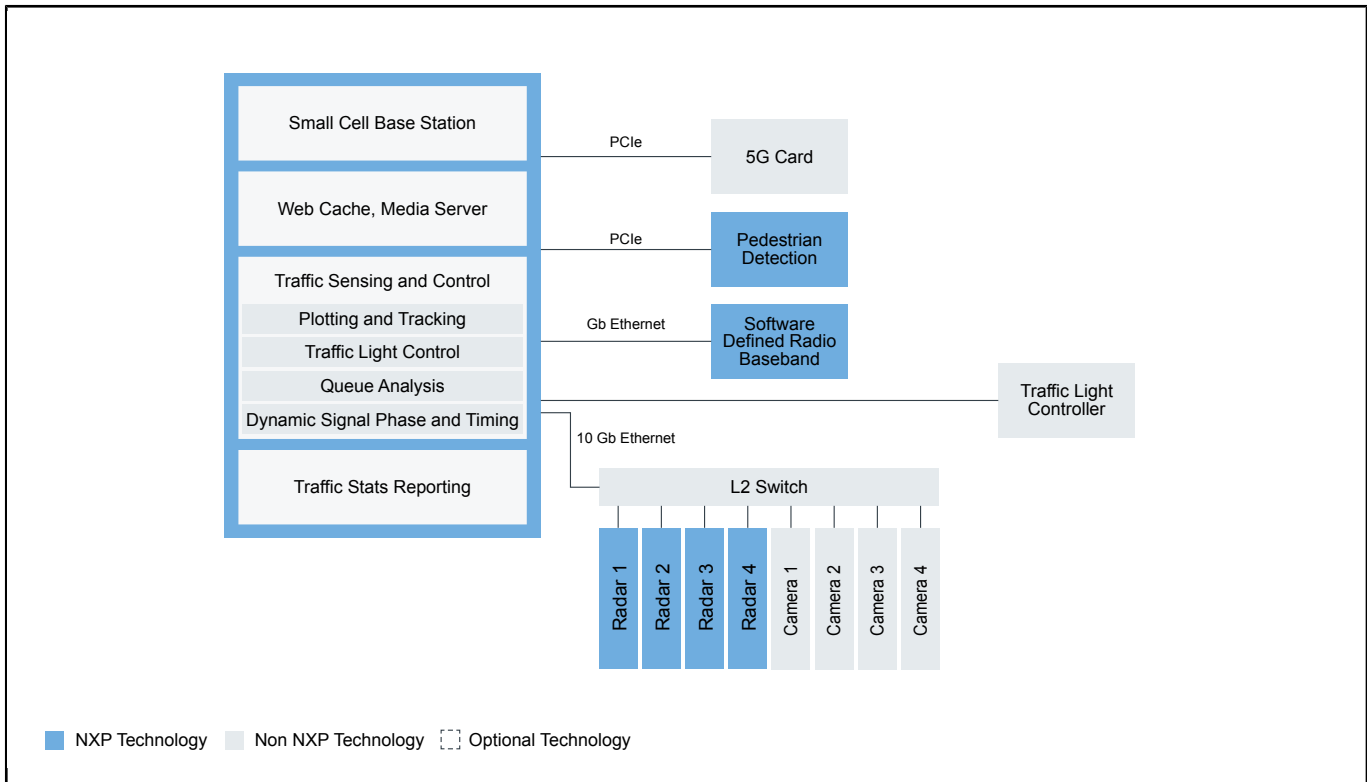


# Intelligent Roadside Unit

Last Updated: Aug 22, 2022

The marriage of sensing, analysis, control and communications offers great promise for Smart Cities through Intelligent Transportation Systems (ITS). Leading cities worldwide will employ Intelligent Roadside Units (RSUs) to help smooth traffic flow, improve safety and emergency response, and provide additional services. As the market leader in automotive sensors, V2X communication modules, processors for driver assist systems and for communication equipment, NXP is uniquely positioned to deliver solutions for RSUs and other intelligent transportation systems equipment. NXP's Intelligent RSU uses the QorIQ LS2084 to process radar, vision, analysis, and communication technologies.

## Intelligent Roadside Block Diagram



### Recommended Products for Intelligent Roadside

Applications Processors	<ul style="list-style-type: none"> <li>• <a href="#">LS2084A</a>: Layerscape 2084A and 2044A Multicore Processors</li> </ul>
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	<ul style="list-style-type: none"> <li>• <a href="#">S32V234</a>: S32V2 Processors for Vision, Machine Learning and Sensor Fusion</li> </ul>
Radar Transceiver	<ul style="list-style-type: none"> <li>• <a href="#">S32R294</a>: Radar Microcontroller</li> </ul>
Software Defined Radio Baseband	<ul style="list-style-type: none"> <li>• <a href="#">SAF5400</a>: RoadLINK® SAF5400 Single Chip Modem for V2X</li> <li>• <a href="#">SAF5100</a>: Software Defined Radio Processor for V2X Communication</li> </ul>
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View our complete solution for [Intelligent Roadside Unit](#).

**Note:** The information on this document is subject to change without notice.

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