

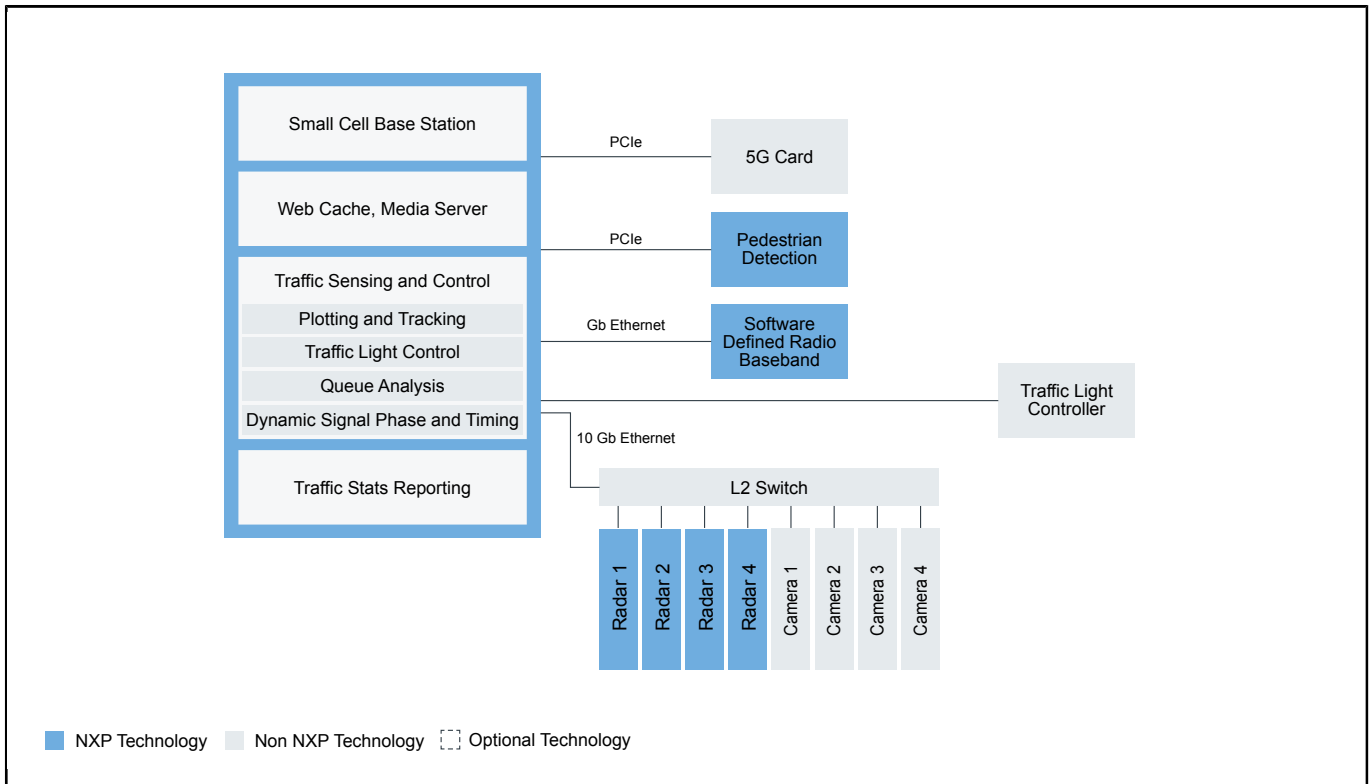


# Intelligent Roadside Unit

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

应用处理器

• LS2084A: QorIQ® Layerscape 2084A和2044A多核通信处理器

	<ul style="list-style-type: none"> <li>• <a href="#">S32V234</a>: S32V2视觉、机器学习以及传感器融合处理器</li> </ul>
雷达收发器	<ul style="list-style-type: none"> <li>• <a href="#">S32R294</a>: 雷达微控制器</li> </ul>
软件定义无线电基带	<ul style="list-style-type: none"> <li>• <a href="#">SAF5400</a>: 用于V2X的单芯片调制解调器RoadLINK SAF5400</li> <li>• <a href="#">SAF5100</a>: V2X通信用的软件定义的无线电</li> </ul>
Applications Processors	<ul style="list-style-type: none"> <li>• <a href="#">LS2084A</a>: QorIQ® Layerscape 2084A和2044A多核通信处理器</li> <li>• <a href="#">S32V234</a>: S32V2视觉、机器学习以及传感器融合处理器</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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