



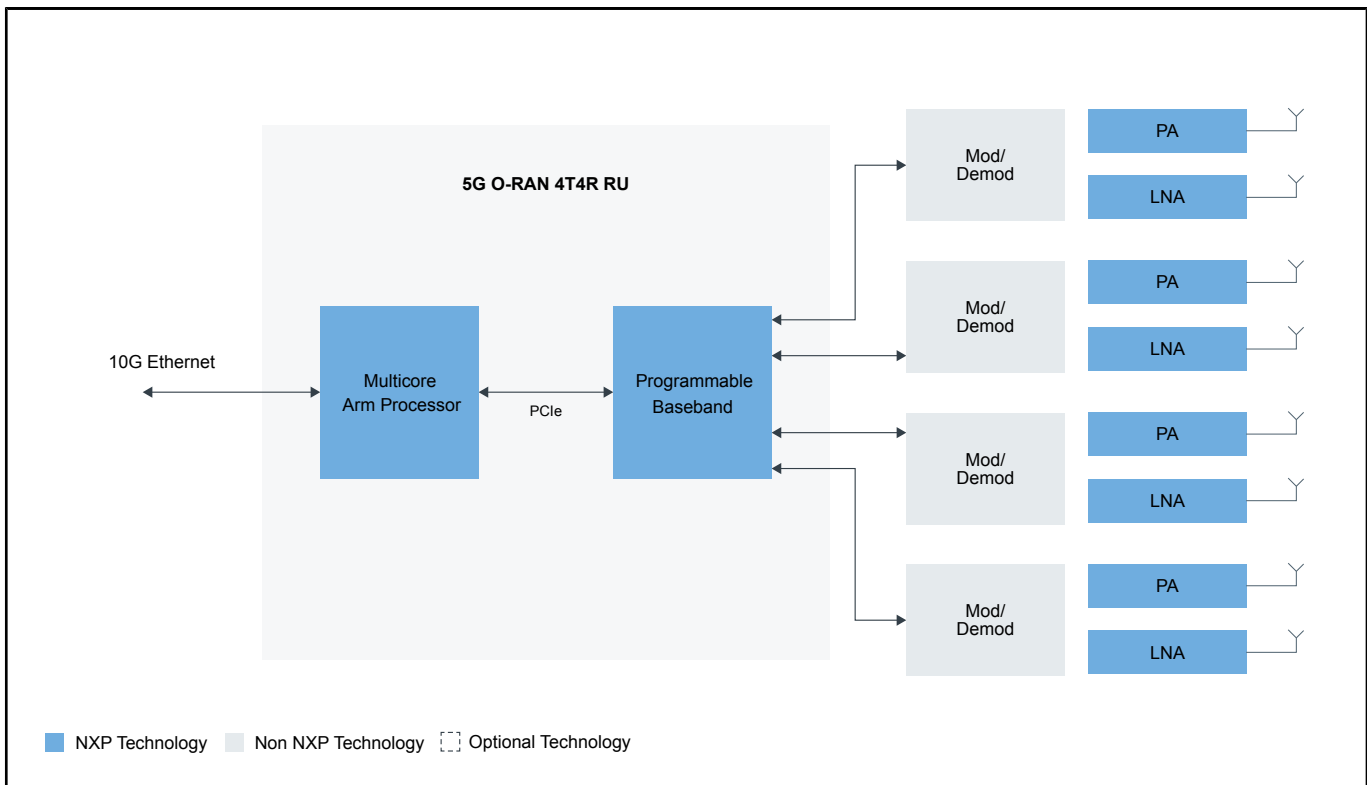
# 5G O-RAN Radio Unit

Last Updated: Jan 5, 2022

5G small-cells provide coverage where not supported by macro base stations. Femto solutions are optimized for power and cost.

The 5G Radio Unit is a special case of small-cell deployment where components of the L1 and L2 processing chain are implemented more centralized in a distributed unit (DU), connecting over 3GPP split 7-2x/split 6 or other mechanisms.

## 5G RU Block Diagram



### Recommended Products for 5G RU

Multicore Arm	<ul style="list-style-type: none"> <li>• <a href="#">Layerscape® 1046A and 1026A Processors</a></li> <li>• <a href="#">Layerscape® 1043A and 1023A Processors</a></li> </ul>
---------------	--

	<ul style="list-style-type: none"><li>• <a href="#">Layerscape® LX2160A, LX2120A, LX2080A Processors</a></li></ul>
Programmable Baseband	<ul style="list-style-type: none"><li>• <a href="#">Layerscape® Access LA1200 Programmable Baseband Processor</a></li></ul>

View our complete solution for [5G O-RAN Radio Unit](#).

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

---

**[www.nxp.com](http://www.nxp.com)**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2022 NXP B.V.