



# OrangeBox Automotive Connectivity Domain Controller Development Platform

## ORANGEBOX

### Preproduction

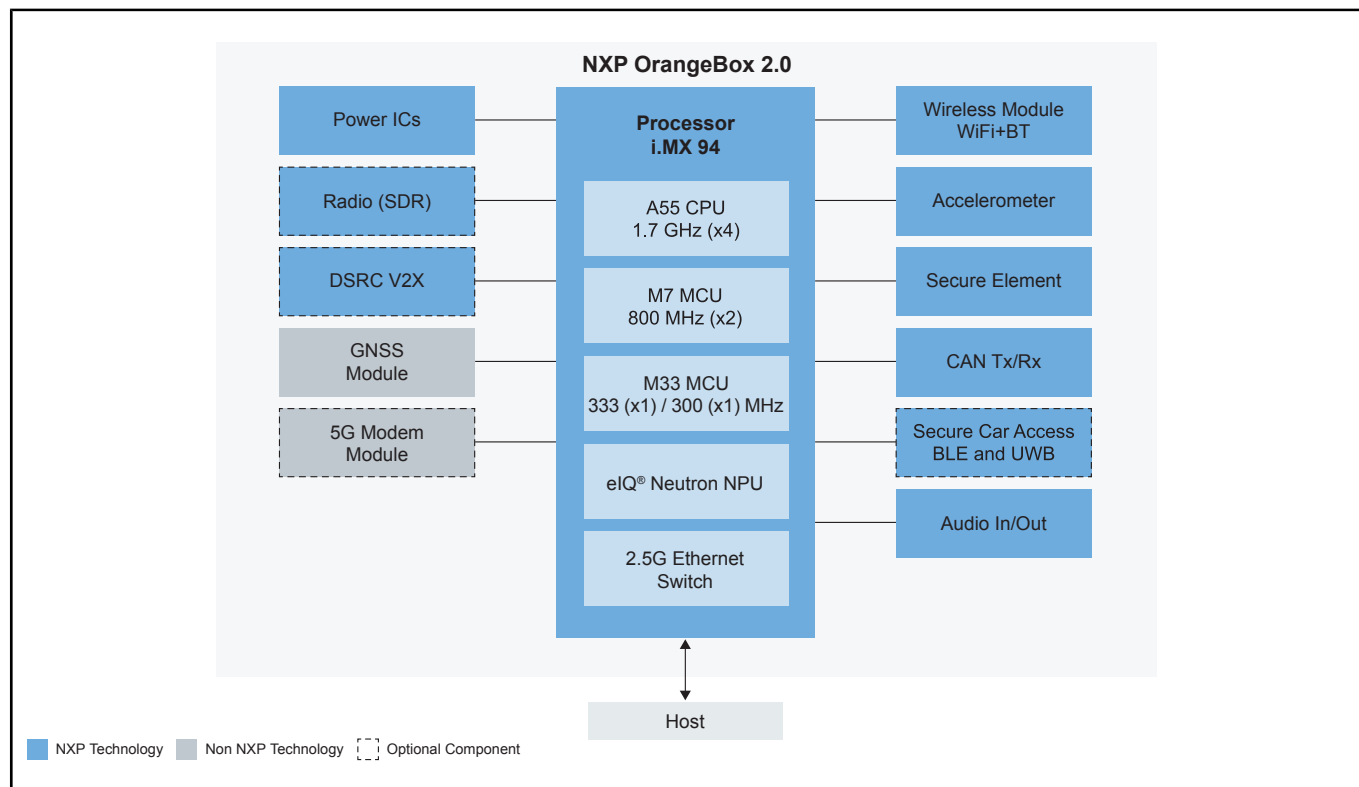
This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

Last Updated: Dec 19, 2025

The second generation OrangeBox connectivity domain controller (OrangeBox 2.0) is a comprehensive development platform providing extensive secure wireless connectivity to develop automotive solutions that meet the connectivity domain or zonal controller requirements. OrangeBox 2.0 incorporates AI capabilities, postquantum cryptography and software-defined networking to protect against evolving cyber threats. OrangeBox 2.0 incorporates the scalable [i.MX 94 applications processor](#), and the wireless connectivity required to implement secure car access, V2X, Wi-Fi, Bluetooth® LE, UWB and cellular connectivity between the vehicle and the outside world in a secure and safe manner.

With a fourfold increase in CPU performance compared to its predecessor, OrangeBox 2.0 offers advanced AI-assisted firewall technology and integrated 2.5 Gbit/s Ethernet switch for flexible and secure networking. The platform also features new AI capabilities on the i.MX 94 integrated eIQ Neutron NPU for active cybersecurity, fleet management and predictive maintenance.

## OrangeBox Systems 2.0 Block Diagram



View additional information for [OrangeBox Automotive Connectivity Domain Controller Development Platform](#).

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

**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. © 2025 NXP B.V.