NXP RF Front-end Solutions Used in Xiaomi's Mi 10 Smartphones

May 19, 2020

EINDHOVEN, The Netherlands, May 19, 2020 (GLOBE NEWSWIRE) — NXP Semiconductors N.V. (NASDAQ: NXPI) today announced that its most recent radio frequency front-end (RFFE) solution, designed with Wi-Fi 6 standards, is now designed into the Xiaomi Mi 10 5G smartphone.

Advanced 5G devices make steep demands in terms of performance, integration, size and Wi-Fi capability. NXP’s RFFE solution is highly integrated and highly optimized in a small form factor, it is designed to meet 6E capabilities to support advanced Wi-Fi computing devices, including premium 5G smartphones, and to enable 2.4/5GHz functionality with the highest performance. NXP’s unique high-performance RFFE solution can reduce the design time and complexities in front-end implementation of original equipment manufacturers (OEMs).

“Xiaomi is very pleased to work with NXP in support of developing an RFFE with Wi-Fi 6 support for our flagship 5G smartphone,” said Daisy Deng, Vice President of Handset and Broadband of Hardware R&D, Xiaomi. “Xiaomi and NXP are leading the way in delivering high-speed Wi-Fi technologies to 5G devices. NXP offers a solution portfolio that meets our rigorous specifications. NXP offers a broad portfolio of RF technology, and that’s what we were looking for in a 5G smartphone solution. Xiaomi’s quick adoption of this RFFE technology allows them to meet the rapidly rising global demand for 6E Wi-Fi in 5G smartphones,” said Paul Hart, Senior Vice President and General Manager of NXP’s RF Power. “In addition to the latest Wi-Fi 6 capabilities, NXP’s highly integrated RFFE solutions have the right combination of performance for media applications such as Xiaomi’s.”

NXP’s Advanced RF WLAN11ax Portfolio

NXP’s high-performance 6E RFFE portfolio supports advanced Wi-Fi technology capabilities that enable 2x2 MIMO functionality with the highest performance. NXP’s compact high-performance RFFE solution can reduce the design time and complexities in front-end implementation of original equipment manufacturers (OEMs).

“The new RF front-end modules are available now. For more information, contact your local NXP sales representative.”

NXP Semiconductors

NXP Semiconductors N.V. is one of the world’s leading semiconductor companies, enabling secure and connected “Smart & Secure” solutions for a smarter world. The company has approximately 30,000 employees in more than 30 countries and posted revenue of $8.88 billion in 2019. Find out more at www.nxp.com.

NXP, EdgeVerse, and the NXP logo are trademarks of NXP B.V. All other products or service names are the property of their respective owners. All rights reserved © 2020 NXP B.V.

For more information, please contact:

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Tel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacey Zuniga</td>
<td><a href="mailto:jacey.zuniga@nxp.com">jacey.zuniga@nxp.com</a></td>
<td>+1 512 415 2681</td>
</tr>
<tr>
<td>Jason Deal</td>
<td><a href="mailto:jason.deal@nxp.com">jason.deal@nxp.com</a></td>
<td>+44 7715228414</td>
</tr>
<tr>
<td>Ming Yue</td>
<td><a href="mailto:ming.yue@nxp.com">ming.yue@nxp.com</a></td>
<td>+86 21 2205 2690</td>
</tr>
</tbody>
</table>

NXP RF Front-end Module Features:

- Small-size 2 x 2 MIMO RFFE module for IEEE802.11ax applications.
- Full high-band 2.4G to 2.5G 80MHz and 5G 1G to 5GHz 80MHz.
- Integrated power amplifier with multiple operation modes for dynamic power efficiency and linear control.
- Integrated DFT switches for antenna selection.
- Analog signal power amplifier enabling 2x2 MIMO TX output power.
- Integrated PA control for power level control and linearity.
- Integrated switch for single antenna RX and TX operation.
- Integrated directional coupler for precise transmit power control.
- Configurable on external matching components, ESD free typological parts.

Availability and Pricing

The new RF front-end modules are available now. For more information, contact your local NXP sales representative.


For more information, please contact:

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Tel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacey Zuniga</td>
<td><a href="mailto:jacey.zuniga@nxp.com">jacey.zuniga@nxp.com</a></td>
<td>+1 512 415 2681</td>
</tr>
<tr>
<td>Jason Deal</td>
<td><a href="mailto:jason.deal@nxp.com">jason.deal@nxp.com</a></td>
<td>+44 7715228414</td>
</tr>
<tr>
<td>Ming Yue</td>
<td><a href="mailto:ming.yue@nxp.com">ming.yue@nxp.com</a></td>
<td>+86 21 2205 2690</td>
</tr>
</tbody>
</table>

NXP RF Front-end Module Features:

- Small-size 2 x 2 MIMO RFFE module for IEEE802.11ax applications.
- Full high-band 2.4G to 2.5G 80MHz and 5G 1G to 5GHz 80MHz.
- Integrated power amplifier with multiple operation modes for dynamic power efficiency and linear control.
- Integrated DFT switches for antenna selection.
- Analog signal power amplifier enabling 2x2 MIMO TX output power.
- Integrated PA control for power level control and linearity.
- Integrated switch for single antenna RX and TX operation.
- Integrated directional coupler for precise transmit power control.
- Configurable on external matching components, ESD free typological parts.

Availability and Pricing

The new RF front-end modules are available now. For more information, contact your local NXP sales representative.


For more information, please contact:

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Tel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacey Zuniga</td>
<td><a href="mailto:jacey.zuniga@nxp.com">jacey.zuniga@nxp.com</a></td>
<td>+1 512 415 2681</td>
</tr>
<tr>
<td>Jason Deal</td>
<td><a href="mailto:jason.deal@nxp.com">jason.deal@nxp.com</a></td>
<td>+44 7715228414</td>
</tr>
<tr>
<td>Ming Yue</td>
<td><a href="mailto:ming.yue@nxp.com">ming.yue@nxp.com</a></td>
<td>+86 21 2205 2690</td>
</tr>
</tbody>
</table>