

# Qualcomm launches Wi-Fi 7 Networking Pro - the world's largest scalable commercial Wi-Fi 7 platform

On May 4, 2022, Qualcomm Technologies, Inc. announced the 3rd Generation Wi-Fi 7 Networking Pro Series platform, now being launched and made available to Qualcomm partners globally,

Building on the multi-generational legacy of the Qualcomm Networking Pro Series platform, the products combine Wi-Fi 7 features with Qualcomm Technologies' intelligent multi-channel management technologies to improve speed, reducing latency and increasing network usability for Wi-Fi 6/6E users. In addition, the platform provides breakthrough throughput and extremely low latency for the next generation of Wi-Fi 7 clients.

Nick Kucharewski, Senior Vice President and General Manager, Wireless Infrastructure and Networks, Qualcomm Technologies, Inc said: 'The Wi-Fi 7 Networking Pro Series launch event marks the official launch of Qualcomm's Wi-Fi 7 Networking Pro Series anniversary. 10 Gbps Wi-Fi resource. The platform combines the latest Wi-Fi 7 innovations with our unique architecture, which provides solutions ranging from indoor mesh to connectivity for large public venues. With this product line, we expect a new generation of customers who will trust today's latest technology applications and the emerging Wi-Fi 7 ecosystem'

A family of platforms for high-performance networking



<p>Qualcomm networking pro 1620 platform</p> <p>33 Gbps* Quad Band 16-Stream</p>	<p>Qualcomm networking pro 1220 platform</p> <p>21 Gbps* Tri Band 12-Stream</p>	<p>Wi-Fi 7 Generation Features</p> <p> Faster Connections 320MHz channels 4k QAM</p> <p> Multiple Connections Multi-link operation</p> <p> Adaptive Connections Adaptive Interface Puncturing</p>
<p>Qualcomm networking pro 820 platform</p> <p>16 Gbps* Quad Band 8-Stream</p>	<p>Qualcomm networking pro 620 platform</p> <p>10 Gbps* Tri Band 6-Stream</p>	

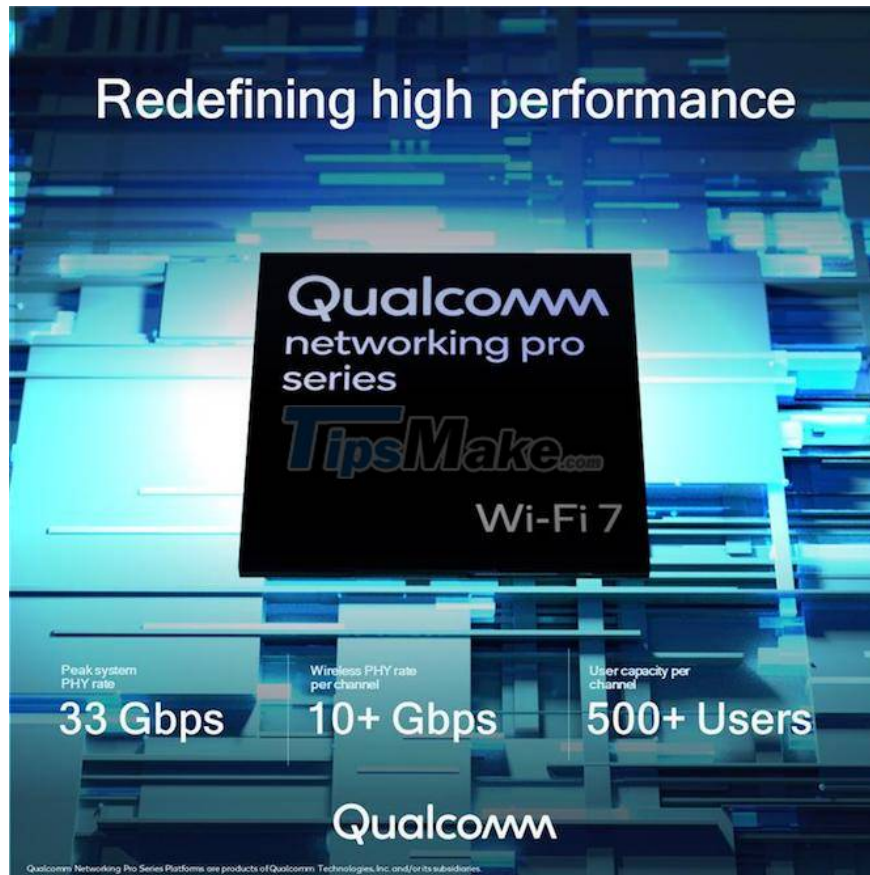
Qualcomm

\* Peak speed refers to maximum physical layer (PLM) rate  
Qualcomm Networking Pro Series Platforms are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

Neil Shah, Vice President of Counter Point Research also shared a couple of things: 'The Wi-Fi 7 Networking Pro Series platform is built on the strong momentum and leadership of Wi-Fi 6/6E, delivering high-speed traffic, record wireless throughput and capacity, taking home and business Wi-Fi infrastructure to the next level. Qualcomm Technologies once again raises the stakes and propels the industry into the 10Gbps+ era by introducing Wi-Fi 7 innovations such as simultaneous multi-link operation, 4K QAM, quad-band configuration in a highly scalable, optimized architecture. Even in feature-limited environments, this innovative platform helps deliver a rich wireless experience.'

Sean Harris, President and Chief Marketing Officer from eero Company said: 'We are proud to partner with Qualcomm to deliver cutting-edge wireless networking solutions. Qualcomm's Wi-Fi networking product suite helps us deliver the latest technology and a broad portfolio to retail, professional installers, builders, and supplier customers, providing internet services in 19 countries around the world'.

The 3rd generation Wi-Fi 7 Networking Pro Series platform sets network standards for network connection performance. The product family enables systems with a maximum aggregate wireless capacity of 33 Gbps and point-to-point connections that can exceed 10 Gbps. Advanced features for interference detection and multi-connectivity, Wi-Fi 7 Network Pro Series enables low latency across wireless environments with application performance comparable to private telecom spectrum. The product line is also capable of supporting low-latency high-speed wireless telecommunications for home Wi-Fi and enterprise infrastructure, delivering reliable performance even in the presence of background interference. When combined with high-performance Internet such as wireless access, fixed 5G or 10G PON fiber, customers can experience rich connectivity including high-definition video calling,



In tri-band and quad-band configurations, the 3rd generation Networking Pro product line enables Wi-Fi connectivity on the 2.4GHz, 5GHz, and 6GHz spectrums. The platform also achieves unparalleled performance with professional implementation of key features, including:

1. 320MHz 7-channel Wi-Fi support (providing twice as much throughput as Wi-Fi 6) provides maximum throughput and ultra-low latency in the most demanding scenarios such as gaming, Real-time streaming, video sharing and XR.
2. Multi-Link technology enables dynamic aggregation of customer traffic or alternate bands to avoid wireless interference and provide predictable low latency in heavily congested environments. When paired with leading Wi-Fi 7 systems, like the Qualcomm® FastConnect™ 7800, the platform can support HBS Multi-Link to take advantage of the high-performance 5 and 6GHz bands, delivering Multi-performance - Link has the best latency and throughput.
3. To maximize 6 GHz operation, the Qualcomm AFC service is a turnkey (all-inclusive) solution for hardware and software. The Qualcomm AFC solution is available to integrate customer devices on the Qualcomm Networking Pro Series and Qualcomm® Immersive Home platforms, activates immediately upon approval, and will be commercially available for user use.

As with previous generations, this 3rd generation Qualcomm Networking Pro Series platform is custom-engineered to ensure a rapid launch of a wide range of connectivity solutions. Highly scalable platform architecture that leverages common hardware and software development approaches to deliver a range of globally relevant configurations, each supporting usage schemes Multi-band channels are optimized to address the availability of various regional spectrums. Customers, regardless of their goals, business size, SME, service provider, consumer network or simply home deployment, can choose to customize the platform. this. Full range of platform services include:

1. Qualcomm Networking Pro 1620: The highest wireless capacity of four bands, 16 streams, 33.1 Gbps, for stadium systems, large enterprises, high-end home networks.
2. Qualcomm Networking Pro 1220: The ultimate tri-band, 12-stream, 21.6 Gbps wireless capacity for high-end enterprise, SMB, prosumer, and home networks.
3. Qualcomm Networking Pro 820: The ultimate in quad-band, 8-thread, 13.7 Gbps wireless capacity for high-end enterprise, SMB, prosumer, and home networks.
4. 3-band, 6-stream, 10.8 Gbps wireless capacity for business, SMB, gaming, and home networking systems.

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