



## SISVEL Wi-Fi Multimode Program

### Royalty Benchmark

*Disclaimer: This document is illustrative only and is provided merely for potential licensees to evaluate the Sisvel Wi-Fi Multimode license offer. It should not be interpreted as an exhaustive list of considerations that Sisvel made when determining the rates for its Wi-Fi MM Program.*

Wi-Fi technology is a cornerstone of modern society, powering everything from communication and entertainment to business and public services. These conveniences are the result of years of research, development, and standardization efforts by innovative companies worldwide. These companies have invested significant resources to create interoperable technologies that benefit billions of users daily.

To sustain this cycle of innovation, it is essential to uphold principles of fair, reasonable, and non-discriminatory (FRAND) compensation for the use of patented technologies embedded in Wi-Fi standards.

Sisvel operates a patent pool in the field of Wi-Fi 6 (IEEE 802.11ax) and Wi-Fi 7 (IEEE 802.11be) called the Sisvel Wi-Fi Multimode Patent Pool (short: “the Wi-Fi MM Pool”). This patent pool combines a set of patent owners that hold patents that are essential to practice the Wi-Fi 6 and/or Wi-Fi 7 Standard (also: “SEPs”). The patent owners include Huawei, KPN, Panasonic, Philips, Mitsubishi Electric, Sisvel, SK Telecom, Orange, Wilus and ZTE. The royalty rates offered for licenses to the SEPs are the following:

Product Type	Royalty Rate Type	Per Unit Rates <sup>1</sup>	
		Wi-Fi 6	Wi-Fi 7
Wi-Fi Finished Products <sup>2</sup>	Standard Rate	USD 0.60	USD 0.72
	Compliant Rate	USD 0.50	USD 0.60
Enterprise Access Points <sup>3</sup>	Standard Rate	USD 1.20	USD 1.44
	Compliant Rate	USD 1.00	USD 1.20

### Wi-Fi 6

Collectively, the patent owners in the Wi-Fi MM Pool currently represent approximately 14.7% of the technical contributions to the Wi-Fi 6 standard.<sup>4</sup> Most of the patent owners of the Wi-Fi MM Pool have licensed already 39 companies under the terms of the predecessor Sisvel Wi-Fi 6 Patent Pool.<sup>5</sup> These licensees include the

<sup>1</sup> For the avoidance of doubt, only one Per Unit Rate applies to an individual product. If the product features Wi-Fi 7 functionality (and may include backwards compatibility with Wi-Fi 6 functionality), the stated Wi-Fi 7 respective rates apply; otherwise, for Wi-Fi 6 only products, the Wi-Fi 6 respective rates apply.

<sup>2</sup> Does not include Enterprise Access Points, see for full definition the Wi-Fi MM sublicense agreement

<sup>3</sup> Access points with enterprise grade performance, which provide wireless connectivity for devices and are intended and marketed for professional, business or commercial use in high density environments. More details can be found in the template Sublicense Agreement linked below.

<sup>4</sup> IEEE Mentor, Wi-Fi 6,7,8 Contributions as of November 24, 2025

<sup>5</sup> Licensees include: Acer Inc, Allied Telesis Holdings K.K., Antretter & Huber GmbH, Bitspeed Computer Systems, Cisco Systems, Inc., Contec Co., Ltd., Dejero Labs Inc., Devolo GmbH, Devolo Solutions GmbH, Draytek Corporation, Fujisoft Incorporated, Giga-byte Technology Co., Ltd., Group Sense Limited, GTA Electronics, HP Inc., Huawei Technologies Co., Ltd., I.Safe Mobile GmbH, Koninklijke Philips N.V., Mach Power Italy S.r.l, Microtech Srl, Mouse Computer Co., Ltd., Netgear, Inc., Nextivity Inc., Optoma Corporation, Panasonic Automotive Systems, Panasonic Holdings Corporation, Peloton Interactive Inc., Punch Technology Ltd., Razer (Asia-Pacific) Pte. Ltd., Ruggear GmbH, Shenzhen AYN Technologies Co., Ltd., Smart Products Connection, S.A., Starry, Inc., Teradek, LLC, THD Acoustics Ltd., WeTek - Soluções Tecnológicas S.A., Witbe SA, and 2 confidential licensees.

patent owners of the Sisvel Wi-Fi 6 Patent Pool that manufacture Wi-Fi 6 finished products, such as Huawei, Panasonic and Philips. Among the 39 licensees are industry giants such as Acer, Cisco, HP, Panasonic Automotive and Netgear. These agreements are in addition to any bilateral licenses that patent owners may have granted for Wi-Fi SEPs.

The Sisvel Wi-Fi 6 Patent Pool offered licenses under the following per unit rates.

Wi-Fi 6 Patent Pool	Wi-Fi 6
Wi-Fi Finished Products <sup>6</sup>	Standard Rate
	Compliant Rate
Enterprise Access Points	Standard Rate
	Compliant Rate

Based on prior comparable licenses including at least the prior Wi-Fi 6 Patent Pool licenses, these rates are established FRAND rates<sup>7</sup>, as also thoroughly discussed in various court cases worldwide.<sup>8</sup>

As is evident from a comparison of the royalty rates between the Sisvel Wi-Fi 6 Patent Pool and the Wi-Fi MM Pool, the rates for Wi-Fi 6 only products (that are not also Wi-Fi 7 products) are kept at the same level.<sup>9</sup> Yet, Aegis (a Sisvel affiliated company), KPN and ZTE are new entrants to the Wi-Fi MM pool and have added their Wi-Fi 6 and Wi-Fi 7 SEPs to the pool. Despite the addition of these new patent owners, the patent owners of the Wi-Fi MM Pool have decided to keep the rates for Wi-Fi 6 only products the same in the new license offer of the Wi-Fi MM Pool to grant stability of cost to manufacturers and promote further adoption.

## Wi-Fi 7

Collectively, the patent owners in the Wi-Fi MM Pool, currently represent approximately 30.7% of the technical contributions to the Wi-Fi 7 standard.<sup>10</sup> The representation of the patent owners in Wi-Fi 7 standard technical contributions is more than double that of the same patent owners in Wi-Fi 6 technical contributions. Compared to the rates for Wi-Fi 6 only products, the patent owners have applied a 20% increase of royalty for the use of Wi-Fi 7. While a higher increase of the royalty would be justified, the patent owners favoured a lower rate to encourage Wi-Fi 7 adoption.

## Licensees under Wi-Fi MM Pool

The Wi-Fi MM Pool starts with 5 licensees. The licensees include:

- Huawei
- Panasonic
- Philips
- Sony
- ZTE

<sup>6</sup> Does not include Enterprise Access Points, see for full definition the Wi-Fi MM sublicense agreement

<sup>7</sup> For example: *ZTE v Samsung* (Germany, Munich Regional Court, 7 O 64/25; 7 O 2750/25); The 7th Chamber published a guidance (explaining rejection of top-down patent counting, and confirming that only comparables provide reliable benchmarks). See also: [Sisvel | German court's FRAND guidance strengthens SEP holders](#); See also the following listed bilateral rates available here: [Huawei announces royalty rates for its patent license programs - Huawei](#); [Sisvel | Sisvel | Wilus Portfolio: Enabling Wi-Fi 6 Innovations](#)

<sup>8</sup> For example: *Huawei v Amazon* (Germany, Munich Regional court, 7 O 10988/22), *Huawei v Netgear* (Unified Patent Court, UPC\_CFI\_9/2023, UPC\_CFI\_168/2024, UPC\_CFI\_791/2024), where Huawei was considered to have satisfied (or even "oversatisfied") its FRAND requirements under its WiFi SEPs

<sup>9</sup> From the initial launch of the Sisvel Wi-Fi 6 Patent Pool to the launch of the Wi-Fi MM pool, the US Dollar has been subject to an inflation of over 11%. U.S. Bureau of Labor Statistics, CBI Calculator, [www.bls.gov](http://www.bls.gov)

<sup>10</sup> IEEE Mentor, Wi-Fi 6,7,8 Contributions as of November 24, 2025

## In Summary

Prior to the launch of the Wi-Fi MM Pool, certain of the patent owners licensed a representative size of the market under the predecessor Wi-Fi 6 Patent Pool. The rates under this predecessor pool are established rates. The rates offered under the prior pool have been continued under the new Wi-Fi MM Pool for the Wi-Fi 6 only products. New patent owners have joined the Wi-Fi MM Pool, and the rates have not been corrected for inflation since 2022.

The rates for Wi-Fi 7 products (that have both Wi-Fi 6 and Wi-Fi 7 functionality) reflect a marginal increase, compared to the increase of value represented in the portfolio offered to the licensee.

Product Type	Royalty Rate Type	Per Unit Rates <sup>11</sup>	
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	Compliant Rate	USD 1.20	USD 1.44

Patent owners in the Wi-Fi MM Pool represent the following stake in the IEEE contributions to the Wi-Fi Standards.



<sup>11</sup> For the avoidance of doubt, only one Per Unit Rate applies to an individual product. If the product features Wi-Fi 7 functionality (and may include backwards compatibility with Wi-Fi 6 functionality), the stated Wi-Fi 7 respective rates apply; otherwise, for Wi-Fi 6 only products, the Wi-Fi 6 respective rates apply.

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<sup>13</sup> Access points with enterprise grade performance, which provide wireless connectivity for devices and are intended and marketed for professional, business or commercial use in high density environments. More details can be found in the template Sublicense Agreement linked below.