



SAN JOSE, MAY 9, 2024

ONNO HARMS
ARUBA, A HEWLETT PACKARD ENTERPRISE COMPANY
6280 AMERICA CENTER DRIVE
SAN JOSE, CA 95002

To whom it may concern

Subject: MU-MIMO support on HPE Aruba Networking Wi-Fi 6 Access Points

Dear Sir/Madam,

This is to clarify the support for Multi-User (MU) MIMO on HPE Aruba Networking Access Points.

The Wi-Fi Alliance (WFA) makes support for *downlink* (DL) MU-MIMO mandatory for Wi-Fi 6 certification on Access Points with four or more spatial streams (SS), and it is therefore fully supported on the 4SS radios for all HPE Aruba Networking Wi-Fi 6 and later Access Points. Support for *uplink* (UL) MU-MIMO is optional for WFA certification, but also supported (and certified) on these (4SS) radios.

Support for MU-MIMO is considered optional (but can be certified) for APs with less than four spatial streams. Given this and based on internal testing showing no noticeable benefit of MU-MIMO when using 2x2 (2SS) AP radios, we're currently not making any claims about MU-MIMO support on 2x2 radios in the datasheets for any of our Access Points. We have not seen any publicly available data that would show increased capacity and/or performance associated with the use of MU-MIMO with 2x2 AP radios (and multiple 1SS client radios). As a matter of fact, we found that the "benefit" of enabling MU-MIMO on 2SS radios in most practical use-cases becomes a negative one.

However, DL-MU-MIMO is fully supported (and configurable, enabled by default) on the 2x2 radios of the following products (it will automatically be disabled when conditions are such that the contribution of the feature would become a negative one):

- HPE Aruba Networking 503 Series Campus Access Points (AP-503)
- HPE Aruba Networking 500 Series Campus Access Points (AP-504/505)
- HPE Aruba Networking 510 Series Campus Access Points (AP-514/515)
- HPE Aruba Networking 500H Series Hospitality Access Points (AP-503H/505H)
- HPE Aruba Networking 560 Series Outdoor Access Points (AP-565/567)

Sincerely,

Onno Harms
Senior Director, Product Management WLAN Platforms
HPE Aruba Networking