# System Power Consumption for Meru Access Point

The following table shows Merus' Access Point power consumption in the different configurations. The table will provide guidelines for power consumption at optimal system configuration (to meet IEEE 802.3af PoE standard), and power consumption for fully-loaded configuration.

| Access Point Model Name | Optimal System Configuration | | | Full Loaded System Configuration | | |
| --- | --- | --- | --- | --- | --- | --- |
| | System Configuration | Power Consumption | 802.3af Compliant | System Configuration | Power Consumption | 802.3af Compliant |
| APll0 | 2.4 GHz, single radio IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is disabled | 4.37 Watts | Not applied (use local power) | 2.4 GHz, single radio IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is enabled | 7.47 Watss | Not applied (use local power) |
| APl0l4i | 2.4 GHz, single radio IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is disabled | 4.67 Watts | Yes | 2.4 GHz, single radio IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is enabled | 7.77 Watts | Yes |
| APl0l0e1i | 2.4/S.x GHz single radio, IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is disabled | 7.1S Watts | Yes | 2.4/S.x GHz, single radio, IEEE 802.11n; 2x2:2-stream mode 40 MHz channel bonding USB port is enabled | 10.09 Watts | Yes |
| APl020e1i | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 2x2:2-stream mode; 20 MHz channel bonding in 2.4GHz | 9.3S Watts | Yes | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 2x2:2-stream mode; 40 MHz channel bonding | 12.29 Watts | Yes |
| AP3201 AP320i | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:2-stream mode; 40 MHz channel bonding | 12.60 Watts | Yes | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:2-stream mode; 40 MHz channel bonding | 12.9S Watts | Yes |
| AP332e1i | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:3-stream mode 40 MHz channel bonding in SGHz and 20 MHz channel bounding in 2.4 GHz USB port is disabled | 12.9S Watts | Yes | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:3-stream mode 40 MHz channel bonding in SGHz and 40 MHz channel bounding in 2.4 GHz USB port is enabled | 16.68 Watts | 802.3at PoE required for such configuration |

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| **AP433e/i/is & OAP433e** | 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:3- stream mode<br><br>2 radios are configured under 5GHz at 40 MHz channel bonding<br><br>1 radio configured at 2.4 GHz with 20 MHz channel bounding<br><br>USB port is disabled | 16.38 Watts | 802.3at PoE required for such configuration | 2. 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11n; 3x3:3- stream mode<br><br>2 radios are configured under 5GHz at 40 MHz channel bonding<br><br>1 radio configured at 2.4 GHz with 40 MHz channel bounding<br><br>USB port is enabled | 19.51 Watts | 802.3at PoE required for such configuration |
| **AP832e/i** | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11ac; 3x3:3- stream mode<br><br>80 MHz channel bonding<br><br>USB disabled<br><br>One LAN port enabled | 12.95 Watts | Yes | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11ac; 3x3:3- stream mode<br><br>80 MHz channel bonding<br><br>USB and the second LAN ports are enabled | 16.95 Watts | 802.3at PoE required for such configuration |
| **AP822e/i** | 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br><br>80 MHz channel bonding<br><br>USB port is disabled<br><br>Two LAN ports enabled | 12.95 Watts | Yes | 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br><br>80 MHz channel bonding<br><br>USB port is enabled<br><br>Two LAN ports enabled | 15.95 Watts | 802.3at PoE required for such configuration |
| **AP122** | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br>80 MHz channel bonding<br>USB port is disabled<br>F2, F3 - enabled<br>PSE OUT (2.4W - default Radio Tx power settings)<br>PSE OUT (1W - max setting) | 12.95 Watts | Yes | 2.4 GHz & S.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br>80 MHz channel bonding<br>F2, F3 - enabled<br><br>(13W PSE OUT and USB disabled)<br><br>(9W PSE OUT and USB enabled) | 25.50 Watts | 802.3at PoE required for such configuration |

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| **AP822V2e/i** | 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br><br>80 MHz channel bonding<br><br>USB port is disabled<br><br>Two LAN ports enabled | 11.95 Watts | Yes | 2.4 GHz & 5.x GHz dual band dual radio concurrent; IEEE 802.11ac; 2x2:2- stream mode<br><br>80 MHz channel bonding<br><br>USB port is enabled<br><br>Two LAN ports enabled | 15.20 Watts | 802.3at PoE required for such configuration |