



AP1800C-AX Pro is a highly-efficient, compact size WiFi 6 AP board with 2.5 Gbps Ethernet, PoE and BT 5.1

AP1800C-AX Pro board offers integrated 802.11ax 2x2:2 MU-MIMO WiFi radios (2.4 and 5 GHz, AX1800, up to 26 dBm) with IPEX/U.FL antenna connectors, single 2.5 Gbps Ethernet with support for 802.3at PoE input, dual Gigabit Ethernet, Bluetooth 5.1 and USB 2.0.

With a 64-bit, quad-core ARM™ Cortex-A53 based CPU, clocked at 1.8 GHz, together with a dedicated Network Processing Unit (NPU) clocked at 1.5 GHz and aggregated wireless data rate up to 1.7 Gbps, the AP1800C-AX Pro is perfect for high-density WiFi environments.

Key features

- 1 Qualcomm™ IPQ6010 with 1 GB of DDR3L RAM (1.8 GHz quad-core ARM™ Cortex-A53)
- 2 16 MB of SPI NOR and 128 MB of NAND flash
- 3 Dual-band, dual-concurrent (DBDC) WiFi AX1800 (Qualcomm™ QCN5122 + QCN5152, up to 26 dBm)
- 4 Texas Instruments CC2652R Bluetooth 5.1 LE
- 5 1x 2.5 Gbps Ethernet with 802.3at PoE support
- 6 2x 1 Gbps Ethernet
- 7 1x RJ45 system console (RS-232)
- 8 1x USB 2.0 Type-A (host)
- 9 1x push-button, 3x LED
- 10 DC jack (5.5/2.1 mm) for 12 V DC input

SOC	Qualcomm™ IPQ6010 with 1.8 GHz quad-core ARM™ Cortex-A53
RAM	1 GB of DDR3L
Flash	16 MB of SPI NOR flash 128 MB of NAND flash
WiFi	802.11b/g/n/ax 2T2R 2.4 GHz (up to 574 Mbps) 802.11a/n/ac/ax 2T2R 5 GHz (up to 1200 Mbps) 2× IPEX/U.FL antenna connectors
Ethernet	1× 2.5 Gbps Ethernet (Qualcomm™ QCA8081) 2× 1 Gbps Ethernet (Qualcomm™ QCA8072)
Bluetooth	5.1 LE (Texas Instruments CC2652R) 1× IPEX/U.FL antenna connector
USB	1× USB 2.0 Type-A (host)
Button	1× push-button (reset) ¹
LED	1× power 1× WLAN 2.4 GHz 1× WLAN 5 GHz
Power supply	802.3at PoE input (2.5 Gbps Ethernet port) DC jack (5.5/2.1 mm) for 12 V DC input
Dimensions	195 × 195 × 17 mm
Power consumption (max.)	22.4 W
Operating humidity	5% ~ 95% RH, non-condensing
Operating temperature	-20 ° ~ 50 ° C

¹) button function depends on installed software





