CNet W120
ACCESS POINTS

Optimize High Performance 600Mbps Dual-Band 802.11n AP

High Performance W120 802.11n AP offer the highest performance in high-density environments and it is a Dual-band 2x2 indoor AP, for ceiling and wall mounting.

Operating at 600Mbps in the 5-GHz band and 2.4-GHz band, these three-stream APs are up to three-times faster than normal 802.11n APs.

The W120 have four integrated omni-directional downtilt antennas,Support 16 SSIDs per band and up to 200 simultaneous connections client,FAT/FIT/Cloud modes.

HARWARE SPECTIONS

INTERFACES

One 10/100/1000BASE-T Ethernet network interfaces (RJ-45)

Auto-sensing link speed and MDI/MDX

PoE-PD: 48 Vdc 802.3af PoE or 802.3at PoE+

DC power interface, accepts 1.7/4.0mm center-positive circular plug with 9.5 mm length

USB 2.0 port (Type A connector)

Serial console interface (RJ-45, TTL levels)

Visual indicators (LEDs):

Power/system status

Ethernet link status

Radio status (2x; RAD0, RAD1)

Kensington security slot

Reset button

Chipset: QCA9557 + QCA9882

128MB Nand flash + 128MB DDR2

WIRELESS RADIO SPECIFICATIONS

POWER

Worst-case power consumption from the AP (excluding power drawn by an attached USB device):

In restricted mode (PoE): 13.5 watts

In unrestricted mode (PoE): 17 watts

In unrestricted mode (DC): 15.5 watts

Direct DC source: 12 VDC 1A nominal, +/- 5%

Power over Ethernet (PoE): 48 Vdc (nominal) 802.3af or 802.3at-compliant source

Efficient mode PoE – power save with 802.3af PoE and limited functionality on 2.4 GHz

USB port disabled

2.4-GHz 802.11n radio in 1×3:1SS mode

Unrestricted functionality with 802.3at PoE+

ANTENNAS

Six integrated down-tilt omni-directional antennas for 2×2 MIMO with maximum antenna gain of 3.5 dBi in 2.4 GHz and 4.5 dBi in 5 GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of W120.

MOUNTING

Included with AP:

Mounting brackets (2) for attaching to 9/16-inch or 15/16-inch T-bar drop-tile ceiling

MECHANICAL

Dimensions/weight (unit, excluding mount accessories):

160 mm (W) x 160 mm (D) x 40 mm (H), 6.2" (W) x 6.2" (D) x 1.6" (H)

450 g/16.2 oz

Dimensions/weight (shipping):

290 mm (W) x 245 mm (D) x 90 mm (H), 11.3" (W) x 9.6" (D) x 3.5" (H)

1,000 g/35 oz

ENVIRONMENTAL

Operating:

Temperature: 0° C to +50° C (+32° F to +122° F)

Humidity: 5% to 95% non-condensing

Storage and transportation temperature range:

Temperature: -40° C to +70° C (-40° F to +158° F)

REGULATORY

FCC

CE Marked

R&TTE Directive 1999/5/EC

Low Voltage Directive 2006/95/EC
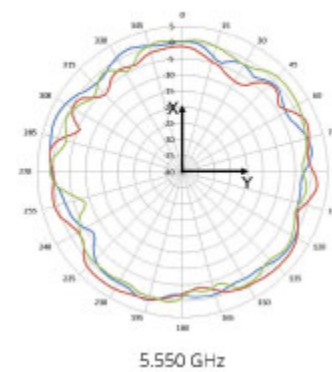
EN 300 328
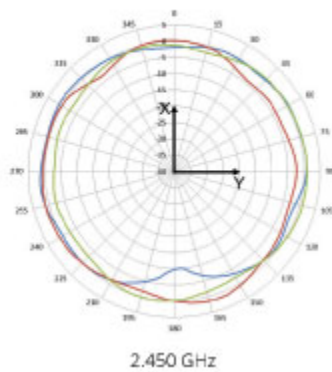
EN 301 489

EN 301 893

UL/IEC/EN 60950

EN 60601-1-1, EN60601-1-2

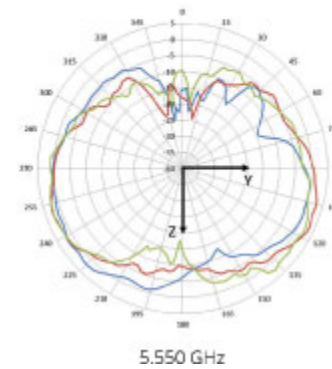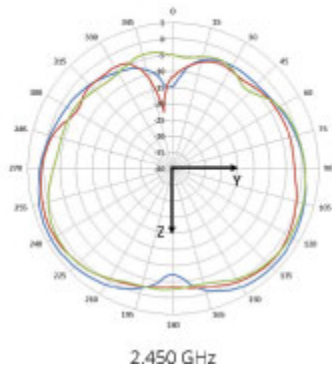For more country-specific regulatory information and approvals, please see your CNet representative.

ANTENNA PATTERN PLOTS

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Horizontal or Azimuth plane (top view)

2.450 GHz

5.550 GHz

Elevation plane (side view)

- 2.450 GHz

5.550 GHz

RF PERFORMANCE TABLE		
	Maximum transmit power (dBm) per transmit chain	Receiver sensitivity (dBm) per receive chain
802.11b 2.4 GHz		
1 Mbps	18.0	-94.0
2 Mbps	18.0	-90.0
5.5 Mbps	18.0	-89.0
11 Mbps	18.0	-88.0
802.11g 2.4 GHz and 802.11a 5 GHz		
6 Mbps	18.0	-91.0
54 Mbps	16.0	-76.0
802.11n HT20 2.4 GHz and 5 GHz		
MCS0/8	18.0	-91.0
MCS7/15	14.5	-73.0
802.11n HT40 2.4 GHz and 5 GHz		
MCS0/8	18.0	-88.0
MCS7/15	14.5	-70.0
802.11ac VHT20 5 GHz		
MCS0	18.0	-91.0
MCS9	12.5	-64.0
802.11ac VHT40 5 GHz		
MCS0	18.0	-88.0
MCS9	12.5	-61.0
802.11ac VHT80 5 GHz		
MCS0	18.0	-85.0
MCS9	12.5	-58.0

Maximum capability of the hardware provided. Maximum transmit power is limited by local regulatory settings.

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Specifications are subject to change without notice.