C-DOT Wireless Access Point (WAP)

C-DOT Wireless Access Point (WAP) is a cost effective, high throughput, exceptionally reliable, modular and effective wireless solution for outdoor use cases such as Public Wi-Fi Hotspots. The Access Point complies to IEEE 802.11ac standard and is backward compatible to IEEE 802.11 a/b/g/n standards. The AP supports concurrent operation in dual band 2.4 GHz & 5 GHz. It supports 2×2 MIMO and 20, 40 & 80 MHz channel bandwidths.

Particular	WAP (outdoor)
Standard	IEEE 802.11 a/b/g/n/ac
VLAN/QoS/Encryption/ Authentication/Other standards	802.1Q VLAN/802.11e/WMM/802.1x/802.11i/802.11s/WDS
Mode	Bridge
Operating Frequency	As per NFAP 2018
Radio	2 Wi-Fi Radios Dual band (2.4 GHz & 5 GHz) concurrent operation
Coverage	150 m
MIMO	2×2
Channel Width	20/40/80 MHz
Clients	64 concurrent users per radio. 128 per system
BSSID	5
Data Rate	1166Mbps (n: 300 and ac: 866)
Services Supported	Voice, Video and Data
Features Supported	Rogue AP detection, WIDS, Self-healing and optimization
Operating Power	Max: 10W Input Voltage Range: 10V to 60V DC
Power Source	PoE
WAN Port	1x Ethernet Port – Gig bit auto-sensing

Audio indication	Yes (power up, booting, Ready)
Deployment Scenario	Outdoor Hotspot, Point to Point, Point to Multipoint, MESH
Max Tx Power	28 dBm
PoE	802.3af/at
Housing/Mounting	IP67, Pole mount, Lightning and Overvoltage Protection Withstand high speed winds/thunderstorms
Operating condition	Temp: -20°C to +55°C Humidity: 10 to 95% non-condensing
Management	FCAPS through C-DOT EMS (SNMP based), C-DOT WAC Power Failure Alarm to NMS Data and syslog capture for audit and analysis
Remote Upgrade	Yes
GUI	Yes
WANI Compliance	Yes
Authentication support	RADIUS protocol supported for external AAA server
Antenna	Internal Omni
Antenna Connector Type (Optional)	N(F)
Antenna Type supported (Optional)	Patch Panel Omni Sector Grid

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