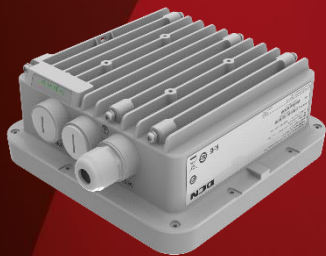


ACCESS POINTS WL8200 X SERIES

Ready for



WL8200-XIT2



High-performance
& reliable Wi-Fi



Load balancing
mechanism



Advanced security
features



Efficient energy
management



Intelligent RF
management



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HIGH PERFORMANCE AND RELIABLE WIRELESS NETWORK

DCN devices guarantee work with the 802.11a/b/g/n/ac/ax standards in the 2.4 GHz or 5 GHz frequency ranges. Using Wi-Fi 6 technology allows to achieve a bandwidth performance up to 6,82 Gb/s per device. Access points with a dual band and tri band radio provide reliable access for a large number of concurrent users. MU-MIMO technology greatly improves system performance because it can simultaneously transmit data to multiple Wi-Fi clients at any time.

LOAD BALANCING MECHANISM

Feature ensures good connection quality not only verifying signal strength but also analysing network traffic, the number of users or the used frequency bands. Single access point can serve hundreds of clients using the access simultaneously and automatically adjust the speed to keep it optimal for each user.

EFFICIENT ENERGY MANAGEMENT

Based on the Wi-Fi 6 technology, the TWT (Target Wake Time) mechanism is used to reduce energy consumption. It allows devices connected to the access point to set the wake-up time and frequency to upload or download data. This significantly contributes to extending the device sleeps time and thus prevents excessive energy consumption.

ADVANCED SECURITY FEATURES

DCN access points support an automatic fallback mechanism which react when the device that the connection with the controller is lost, allowing to quickly switching the operating mode that it can continue transferring data uninterrupted and allowing the new users to get the network access. Features such as user isolation, intrusion detection and defence, blacklist, whitelist or wireless SAVI, PEAP user authentication will ensure the privacy and security of network users' data. DCN access points may be used with controller to provide multiple secure access, authentication and accounting mechanisms for various application environments. data.

INTELLIGENT RF MANAGEMENT

With the cooperation of access points and the controller, there is possibility with using an intelligent RF management which allows automatic signal power and channel control of the Wi-Fi network. The controller, using specific algorithms for the detection and RF management allows to obtain a better coverage effect. When the signals are disturbed by strong foreign signals, the AP can automatically switch to the corresponding operating channel under access controller control, to avoid such interference, thus guaranteeing uninterrupted Wi-Fi connection. Wireless system support also blind spot compensation. When an access point in the network goes down, the RF management function compensates for the blind spot.

WL8200-XIT2

Hardware Specification

Type	Outdoor AP
Ports	1 × 10/100/1000Base-T PoE port for uplink 1 × 1000M SFP fiber port (combo) 1 × 10/100/1000Base-T downlink port 1 build-in M.2 port for IoT and LTE expansion
USB ports	-
Transmit power	2,4GHz – 27 dBm 5GHz – 27 dBm
Power adjustment granularity	1 dBm
RF port	Built-in: 2,4GHz – 10dBi 5 GHz - 10dBi
MIMO	1st module: 2,4GHz - 2x2 MIMO 2nd module: 5 GHz – 2x2 MIMO
Working frequency band	802.11a/n/ac : 5.150 GHz - 5.850 GHz 802.11b/g/n/ax: 2.4 GHz - 2.483 GHz 802.11ax: 5.150 GHz – 5.250 GHz 5.250 GHz – 5.350 GHz 5.725 GHz – 5.850 GHz in total – 1,775 Gb/s
Maximum data rate	1st module: 2.4 GHz – 575 Mp/s 2nd module: 5 GHz – 1,2 Gb/s
Modulation technology	802.11b: BPSK,QPSK,CCK 802.11a/g/n: BPSK, QPSK,16-QAM, 64-QAM 802.11ac: BPSK, QPSK,16-QAM, 64-QAM, 256-QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM

WLAN

Working mode	Dual-Band
Working frequency band	2,4 GHz & 5 GHz
Virtual AP (BSSID)	32
Concurrent user	Up to 254
Number of spatial streams	1st module: 2,4GHz – 2 2nd module: 5GHz – 2
Dynamic channel adjustment (DCA)	√
Transmit power control (TPC)	√
Blind area detection and repair	√
SSID hiding	√
RTS/CTS	√
RF environment scanning	√
Hybrid access	√
Restriction on the number of access users	√
Link integrity check	√
Prohibiting the access of terminals with weak signals	√
Forced roaming of terminals with weak signals	√
Intelligent control of terminals based on airtime fairness	√
High-density application optimization	√

QoS

WMM	√
Priority mapping	√
QoS policy mapping	√
L2-L4 packet filtering and flow classification	Based on MAC, IPv4 and IPv6 packets
Load balancing	√
Bandwidth limit	√
Call admission control (CAC)	CAC based on the number of users
Power saving mode	√
Automatic emergency mechanism of APs	√
Intelligent identification of terminals	√
Multicast enhancement	Multicast to unicast

WL8200-XIT2

Security

Encryption	64/128 WEP, TKIP, CCMP
IEEE 802.11i	✓
WAPI	✓
MAC address authentication	✓
LDAP authentication	✓
PEAP authentication	✓
WIDS/WIPS	✓
Real-time spectrum protection	✓
Protection against DoS attacks	✓
Forwarding security	Frame filtering, white list, static blacklist, and dynamic blacklist
User isolation	✓
Periodic SSID enabling and disabling	✓
Access control of free resources	✓
Secure admission control of wireless terminals	✓
Wireless SAVI	✓
ACL	✓
Secure access control of APs	✓

Management

Console port	✓
Network management	Centralized management through an AC; both fit and fat modes
Maintenance mode	local and remote
Log function	✓
Alarm	✓
Fault detection	✓
Statistics	✓
Switching between the fat and fit modes	✓
Remote probe analysis	✓
Watchdog	✓

Physical

Operating temperature	-40 °C~65 °C
Humidity	10% - 90% (no condensation)
IP class protection	IP68
Dimensions (width x height x depth)	214mm × 214mm × 68mm
Installation type	Column hanging / Wall hanging

Electrical

PoE standards	IEEE 802.3at
Additional power socket	-
Power consumption	≤ 18W