Kreski

DCN Europe

Switch to
a New Generation

ACCESS POINTS
WL8200 X SERIES

Ready for Wi Fi 6

WL8200-XW2

WL8200-X2

WL8200-X4

WL8200-X10

- 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-XW2	WL8200-X2	WL8200-X4	WL8200-X10
Hardware Specification				
Type	Indoor AP	Indoor AP	Indoor AP	Indoor AP
Ports	1x 1000Base-T RJ45 (uplink) 2x 10/100/1000Base-T RJ45 (passthrough) 4x 10/100/1000Base-T RJ45	2x 10/100/1000Base-T RJ45	2x 100/1000/2500Base-T RJ45	2x 100/1000/2500Base-T RJ45
Console port – RS-232 (RJ45)	–	1	1	1
USB port	–	1	1	1
Transmit power	2,4GHz – 20 dBm 5GHz – 20 dBm	2,4GHz – 23 dBm 5GHz – 23 dBm	2,4GHz – 23 dBm 5GHz – 23 dBm	2.4GHz – 23 dBm 5GHz – 23 dBm
Power adjustment granularity	1 dBm	1 dBm	1 dBm	1 dBm
RF port	Built-in: 2,4 GHz – 3dBi 5 GHz – 3dBi	Built-in: 2,4 GHz – 4dBi 5 GHz – 5dBi	Built-in: 2,4 GHz – 4dBi 5 GHz – 5dBi	Built-in: 2,4GHz – 4dBi 5 GHz – 5dBi
MIMO	1st module: 2,4GHz – 2x2 MIMO 2nd module: 5 GHz – 2x2 MIMO	1st module: 2,4GHz – 2x2 MIMO 2nd module: 5 GHz – 2x2 MIMO	1st module: 2,4GHz – 2x2 MIMO 2nd module: 5 GHz – 2x2 MIMO	1st module: 2,4 GHz – 4x4 MIMO 2nd module: 5GHz – 8x8 MIMO 3rd module: 5GHz – 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	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	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	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
Maximum data rate	in total – 1,775 Gb/s 1st module: 2.4 GHz – 575 Mp/s 2nd module: 5 GHz – 1,2 Gb/s	in total – 1,775 Gb/s 1st module: 2.4 GHz – 575 Mp/s 2nd module: 5 GHz – 1,2 Gb/s	in total – 2,975 Gb/s 1st module: 2.4 GHz – 575 Mp/s 2nd module: 5 GHz – 1,2 Gb/s	in total – 6.82Gb/s 1st module: 2.4GHz – 1.15Gb/s 2nd module: 5GHz – 4.8Gb/s 3rd module: 5GHz – 867Mb/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	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	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	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	Dual-Band	Dual-Band	Tri-Band
Working frequency band	2,4 GHz i 5 GHz	2,4 GHz i 5 GHz	2,4 GHz i 5 GHz	2,4 GHz & 5 GHz
Virtual AP (BSSID)	32	32	32	48
Concurrent user	Up to 254	Up to 254	Up to 399	Up to 499
Number of spatial streams	1st module: 2,4GHz – 2 2nd module: 5GHz – 2	1st module: 2,4GHz – 2 2nd module: 5GHz – 2	1st module: 2,4GHz – 2 2nd module: 5GHz – 4	1st module: 2,4 GHz – 4 2nd module: 5 GHz – 8 3rd 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	Based on MAC, IPv4 and IPv6 packets	Based on MAC, IPv4 and IPv6 packets	Based on MAC, IPv4 and IPv6 packets
Load balancing	✓	✓	✓	✓
Bandwidth limit	✓	✓	✓	✓
Call admission control (CAC)	CAC based on the number of users	CAC based on the number of users	CAC based on the number of users	CAC based on the number of users
Power saving mode	✓	✓	✓	✓
Automatic emergency mechanism of APs	✓	✓	✓	✓
Intelligent identification of terminals	✓	✓	✓	✓
Multicast enhancement	Multicast to unicast	Multicast to unicast	Multicast to unicast	Multicast to unicast

	WL8200-XW2	WL8200-X2	WL8200-X4	WL8200-X10
Security				
Encryption	64/128 WEP, TKIP, CCMP	64/128 WEP, TKIP, CCMP	64/128 WEP, TKIP, CCMP	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	Frame filtering, white list, static blacklist, and dynamic blacklist	Frame filtering, white list, static blacklist, and dynamic blacklist	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				
Network management	Centralized management through an AC; both fit and fat modes	Centralized management through an AC; both fit and fat modes	Centralized management through an AC; both fit and fat modes	Centralized management through an AC; both fit and fat modes
Maintenance mode	local and remote	local and remote	local and remote	local and remote
Log function	✓	✓	✓	✓
Alarm	✓	✓	✓	✓
Fault detection	✓	✓	✓	✓
Statistics	✓	✓	✓	✓
Switching between the fat and fit modes	✓	✓	✓	✓
Dual-image (dual-OS) backup mechanism	✓	✓	✓	✓
Watchdog	✓	✓	✓	✓
Physical				
Operating temperature	0 °C~50 °C	0 °C~50 °C	0 °C~50 °C	0 °C~50 °C
Humidity	10% - 90% (no condensation)	10% - 90% (no condensation)	10% - 90% (no condensation)	10% - 90% (no condensation)
IP class protection	IP41	IP41	IP41	IP41
Dimensions (width x height x depth)	160 mm × 86 mm × 35 mm	247 mm × 153 mm × 30 mm	201 mm × 195 mm × 41 mm	215 mm × 215 mm × 45 mm
Installation type	x86 standard panel	Wall Celling T keel	Wall Celling T keel	Wall Celling T keel
Electrical				
PoE standards	IEEE 802.3af	IEEE 802.3af IEEE 802.3at	IEEE 802.3at	IEEE 802.3bt
Additional power socket	12 V DC	12 V DC	12 V DC	12 V DC
Power consumption	≤ 12W	≤ 13W	≤ 20W	≤ 30W

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl