DUXNET

PRODUCT DATASHEET

# Indoor Wi-Fi Access Points



## Next-Level Wireless for Every Indoor Corner

## OVERVIEW

Elevate your wireless networking experience with DuxNet Indoor Wi-Fi Access Points, designed to deliver next-level performance and reliability in any environment. These sleek, ceiling-mounted units provide seamless connectivity that blends with modern aesthetics while ensuring robust network performance.  All at a price point you can afford.

## MAIN FEATURES

- **High-Speed Connectivity:** exceptional data rates, ideal for high-demand applications, from video streaming to online collaboration. There's a model for every need.
- **Sleek Design:** Their unobtrusive, contemporary design allows for easy installation in any indoor space, enhancing the overall aesthetic while providing powerful coverage.
- **Next-Level Performance:** Engineered with advanced technologies, these access points deliver faster speeds and greater capacity, ensuring smooth connections even in high-density environments.
- **PoE Support:** With Power over Ethernet capability, installation is simplified by eliminating the need for separate power outlets. This feature ensures a cleaner setup and minimizes installation time.
- **Scalability:** Perfect for both small offices and expansive commercial spaces, DuxNet Indoor Wi-Fi Access Points can be easily integrated into existing networks and scaled to meet future demands.
- **Centralized Management:** The inclusion of a Gateway & Controller allows for easy monitoring and management of multiple access points, enabling IT teams to optimize network performance effortlessly.
- **Affordable Quality:** Despite their advanced features and robust performance, DuxNet Indoor Wi-Fi Access Points are highly affordable, offering premium quality without the premium price tag.

## 11AX Series

## 11ac Dual Band - 1200Mbps

| Model Name | DUX880AP | DUX840AP | DUX820AP | DUX420AP | DUX240AP |
|---|---|---|---|---|---|
| |  |  |  |  |  |
| **Chipset** | Qualcomm IPQ8072A | Qualcomm IPQ6000 | MT7621AT | Qualcomm QCA9563 | MT7628+7613 |
| **FIT/FAT Protocol** | FIT/FAT AP | FIT/FAT AP | FIT/FAT AP | FIT/FAT AP | FIT/FAT AP |
| **Flash** | 8MB+128MB | 8MB+128MB | 16MB | 16MB | 8MB |
| **RAM** | 512*2MB | 256*2MB | 256MB | 128MB | 64MB |
| **Standard** | IEEE802.11AX/AC/N/G/B | IEEE802.11AX/AC/N/G/B | IEEE802.11AX/AC/N/G/B | IEEE802.11AC/N/G/B | IEEE802.11AC/N/G/B |
| **Frequency** | 2.4GHz+5GHz | 2.4GHz+5GHz | 2.4GHz+5GHz | 2.4GHz+5GHz | 2.4GHz+5GHz |
| **Wireless data rate** | 1182Mbps+2475Mbps | 591Mbps+1238Mbps | 591Mbps+1238Mbps | 300Mbps+900Mbps | 300Mbps+900Mbps |
| **Rate** | AX3600 | AX1800 | AX1800 | AC1200 | AC1200 |
| **WAN** | 10/100/1000/2500M WAN*1 | 10/100/1000M WAN*1 | 10/100/1000M WAN*1 | 10/100/1000M WAN*1 | 10/100M WAN*1 |
| **LAN** | 10/100/1000/2500M LAN*1 | 10/100/1000M LAN*1 | 10/100/1000M LAN*1 | 10/100/1000M LAN*1 | 10/100M LAN*1 |
| **DC** | DC:12V 3A | DC:12V 3A | DC:12V 1.5A | DC:12V 1.5A | DC:12V 1A |
| **PoE Power** | WAN Port 48V 802.3at+ | WAN Port 48V 802.3at | WAN Port 48V 802.3af | WAN Port 48V 802.3at POE | WAN Port 48V 802.3af POE |
| **Firmware** | OpenWRT | OpenWRT | OpenWRT | 1. SDK Firmware<br>2. OPENWRT Firmware | 1. SDK Firmware<br>2. OPENWRT Firmware |
| **Basic Feature** | 1. Build in 3+dBi Antenna<br>2. RF Power:≤20dBm<br>3. MIMO 4x4 | 1. Build in 3+dBi Antenna<br>2. RF Power:≤23dBm<br>3. MIMO 2x2 | 1. Build in 3+dBi Antenna<br>2. RF Power:≤16dBm<br>3. MIMO 2x2 | 1. Build in 4dBi Antenna<br>2. RF Power:≤26dBm<br>3. Support wireless adjustable RF power<br>4. Concurrent users 120<br>5.FIT/FAT AP together<br>6. Support Wave2 | 1. Build in 4dBi Antenna<br>2. RF Power:≤26dBm<br>3. Support wireless adjustable RF power<br>4. Concurrent users 120<br>5.FIT/FAT AP together<br>6. Support Wave2 |
| **Firmware Feature** | 1. Support Multi SSID up to 8, support VLAN tags and VLAN management<br>2. Supports intelligent user based load balance based on user<br>3. Support seamless roaming and low rate terminal access<br>4. Support WI-FI channel analysis<br>5. Support WLAN Controller Central Management and cloud server | | | 1. Support Multi SSID up to 8, support tag VLAN tags and VLAN management<br>2. Supports intelligentuser basd load balance based on user<br>3. Support seamless roaming and low rate terminal access<br>4. Support WI-FI channel analysis<br>5. Support WLAN Controller Central Management and cloud server remote access / management | |
| **Accessory** | User Manual, Ceiling mount accessory, LAN cable | | | User Manual, Ceiling mount accessory, LAN cable | |

*Actual wireless transmission rate, wireless coverage and range, and number of connected devices are not guaranteed. Range and coverage specifications along with the number of connected devices were defined according to test results under normal usage conditions and will vary as a result of environmental factors and network conditions.

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