D-Link

Product Highlights

AX3000 Wi-Fi 6
Wi-Fi 6 leverages dual-band technoloty to provide high-speed connectivity for users

WPA3 Wi-Fi Encryption
WPA3 encryption provides enhanced security for public networks, protecting against unauthorised access and safe-guarding sensitive data

Central Management
Managed through a business router and controlled via a centralised dashboard

DBR-X3000-AP

AX3000 Wi-Fi 6 Smart Access Point

Key Features

AX3000 Wi-Fi 6
- 160 MHz channels
- 2.4 GHz up to 574 Mbps
- 5 GHz up to 2402 Mbps

Latest Wi-Fi Encryption
- WPA/WPA2/WPA3 Personal
- WPA/WPA2/WPA3 Enterprise

MU-MIMO
- 2.4 GHz: 2T2R
- 5 GHz: 2T3R

PoE Capability
- 802.3af power input

Centralised Management
- Managed by DBR-700 or DBR-600-P
- SSID
- Wi-Fi security
- VLAN tagging
- Captive portal (Click-through & RADIUS)
- Firmware upgrades
- Wireless client monitoring
- Mesh enabled

The AX3000 Wi-Fi 6 Smart Access Point leverages Wi-Fi 6 dual-band technology with PoE support to extend wireless coverage and provide high-speed connectivity throughout a building. It ensures reliable performance, efficient network management, and enhanced security. Centrally managed through D-Link DBR series business routers.

High-Speed Wi-Fi 6 Connectivity

The latest Wi-Fi 6 technology leverages the power of the 802.11ax standard to deliver faster, more efficient wireless performance, even in high-density environments. With speeds up to 3 Gbps, the DBR-X3000-AP enables lightning-fast downloads, seamless streaming, and responsive real-time applications. Wi-Fi 6 incorporates advanced features like MU-MIMO and OFDMA, which allow multiple devices to connect simultaneously without compromising speed or reliability. This results in a smoother user experience, reduced latency, and increased overall network capacity, making it ideal for both business-critical applications and high-traffic public areas.

WPA3 Wi-Fi Security

The DBR-X3000-AP is equipped with advanced security features to protect sensitive data and ensure a secure browsing experience for all users. It supports the latest WPA3 encryption protocol, which offers stronger protection against unauthorised access and safeguards user privacy with a more robust encryption standard.

Central Management

The DBR-X3000-AP is managed through a D-Link DBR series business router and controlled via a unified dashboard. This centralised approach streamlines configuration, monitoring, and control of network settings, simplifying administrative tasks. It ensures consistent policy enforcement and offers real-time insights into network activity, enhancing overall efficiency and security.
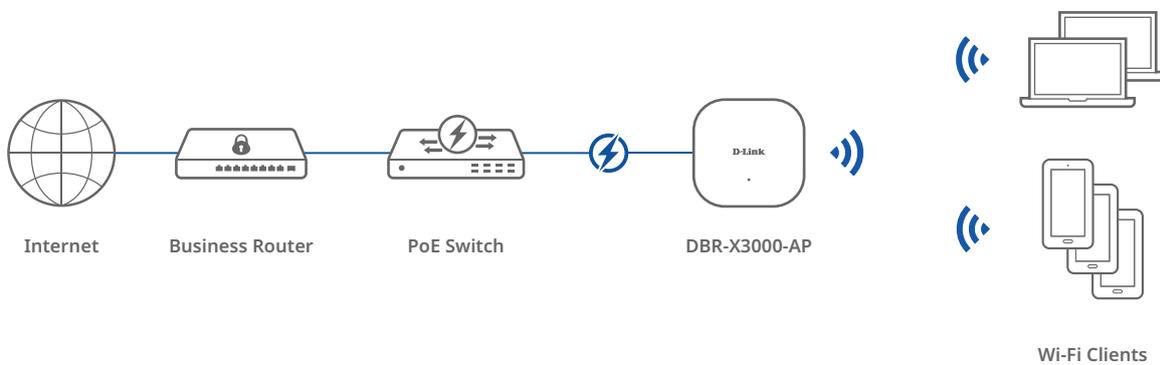
Power Over Ethernet

The DBR-X3000-AP enables power over Ethernet (PoE), simplifying installation by delivering both data and power over a single Ethernet cable. With PoE compatibility, there's no need for additional power outlets or wiring, making it ideal for flexible and cost-effective deployments in various environments, including offices and retail spaces. This feature not only reduces installation time and costs but also allows for greater flexibility in placing access points where they are needed most, without being limited by traditional power sources. PoE ensures a reliable power supply, maximising uptime and network stability.

Captive Portal

Captive portals are used in public Wi-Fi hotspots, guest networks, and enterprise environments to control user access. Users are redirected to a login or terms acceptance page before accessing the network. This process enhances security, enables user management, and can also display important information.

Connection Diagram

Internet — Business Router — PoE Switch — DBR-X3000-AP — Wi-Fi Clients

Technical Specifications

General		
Interface	• 1 x GE LAN port • 1 x Reset button	• 1 x Power connector
LED	Power/Status	
Antenna	• 2 x 2.4/5 GHz dua-band Tx/Rx	• 1 x 5 GHz Rx
Antenna Gain	• 2.4 GHz: 4 dBi	• 5 GHz: 3 dBi
Data Rate	• 2.4 GHz: Up to 574 MHz	• 5 GHz: Up to 2402 MHz
Functionality		
Standards	• IEEE 802.11a/b/g/n/ac/ax • IEEE 802.3at PoE	• IEEE 802.3u/ab • IEEE 802.3az Energy Efficient Ethernet (EEE)
Operation Frequencies	• 2.4 to 2.483 GHz • 5.15 to 5.35 GHz	• 5.47 to 5.85 GHz
Wi-Fi Security	• WPA/WPA2/WPA3 Personal	• WPA/WPA2/WPA3 Enterprise
Maximum SSIDs	7	

AP Management		
Manageable Devices	• DBR-600-P (up to 10 APs)	• DBR-700 (up to 15 APs)
Wi-Fi SSID	• SSID Name	• VLAN Tag
Wi-Fi Security	• WPA/WPA2/WPA3 Personal	• WPA/WPA2/WPA3 Enterprise
Captive Portal	• Click-through • RADIUS	• Local DB
Monitoring Feature	• Clients IP/MAC	• Clients status and statistics
Device Firmware	Firmware upgrades	

Physical & Environmental	
Power Input	12V/1A
Dimensions	170 x 170 x 33.7 mm
Operating Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Operating Humidity	10% to 90% non-condensing
Storage Humidity	0% to 95% non-condensing

D-Link®