

## Product Highlights

### Secure VPN Capability

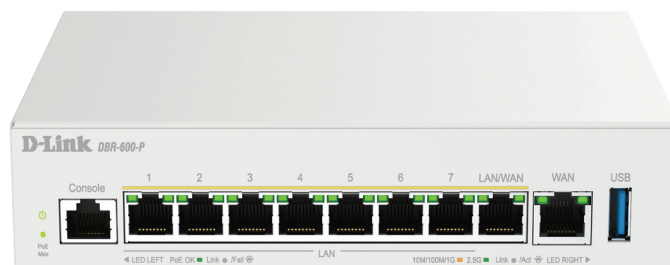
A VPN provides secure, encrypted connections for safe remote access, which is ideal for small offices and cafes.

### High-speed 2.5G WAN Port

2.5G WAN ports deliver high-speed connections for fast data transfer and reliable access for demanding applications.

### Multi-WAN Connectivity

Multi-WAN intelligent failover ensures uninterrupted connectivity by switching to a backup WAN when the primary fails, enhancing reliability and service consistency.



## DBR-600-P

## Business PoE Router

## Key Features

### High-Performance VPN Protocols

- IPSec/PPTP/L2TP/WireGuard
- OpenVPN/GRE

### WAN Redundancy/Load Balance

- Dual WAN Redundancy
- USB LTE Dongle WAN Redundancy/Load Balance

### High Power PoE PSE

- 802.3at PoE output
- Up to 8 PoE ports
- Up to 120 W total PoE budget

### High Security Feature

- SPI Firewall
- DoS/DDoS/IPS
- URL Filter
- User Authentication

### Smart AP Management

- Managed up to 10 DBR-X3000-AP access points

### Central AP Management

- SSID
- Wi-Fi Security
  - WPA/WPA2/WPA3 personal & Enterprise
- VLAN Tag
- Captive Portal
  - Click-through/RADIUS/internal database
- AP Firmware Upgrade

### Monitor AP Wireless Clients

- Block Clients
- Client Status and Statistics

The DBR-600-P delivers high-performance networking with a 2.5GE WAN port and eight 2.5GE PoE ports for fast and reliable connectivity. Ideal for small offices and cafes, it includes a USB port for D-Link's 4G/5G USB modem, offering flexible internet backup. With a 2Gbps firewall and IPsec VPN tunnels, it ensures secure remote access. Built-in AP management simplifies wireless access point control, making it an excellent choice for businesses seeking efficient and secure network solutions.

## Virtual Private Network (VPN)

A Virtual Private Network (VPN) ensures secure and private connections by encrypting data and using strong authentication. It creates a secure tunnel between users and networks, protecting sensitive information from unauthorised access. VPNs enable remote access, allowing employees to connect safely to their company network from any location, and offer robust security features like data integrity and traffic encryption, ensuring reliable and safe connectivity.

## Complete 2.5G Interface

A 2.5G interface on a VPN router delivers ultra-fast speeds of up to 2.5 gigabits per second, boosting VPN performance with quicker data transfers and lower latency. It supports multiple simultaneous connections, ensuring smooth, secure, and efficient remote access even during high-demand use. The added bandwidth is perfect for businesses needing reliable communication, large file transfers, and seamless video conferencing, all while maintaining strong encryption and security.

## Reliable Dual WAN Redundancy

Dual WAN Intelligent Failover ensures uninterrupted internet connectivity by automatically switching to a backup WAN connection if the primary one fails. This feature enhances network reliability and maintains consistent service, minimising downtime for critical operations. It also balances traffic across both WAN connections, optimising bandwidth and improving performance. With this system, organisations can rely on a robust backup to handle disruptions.

## WAN Load Balancing

WAN Load Balancing distributes traffic across multiple WAN connections to enhance performance and reliability. It optimises speed and ensures smooth data transmission for high-bandwidth applications by preventing overload on any single connection. Additionally, it provides backup connections for redundancy, maintaining continuity during failures and enabling uninterrupted business operations.

## High Power 8-Port PoE Solution

DBR-600-P equipped with eight PoE ports, allows network cables to deliver data and power to devices like IP cameras and VoIP phones, eliminating the need for separate power sources. This simplifies installation, reduces cable clutter, and offers flexibility in device placement, enabling setups in areas without electrical outlets. PoE enhances network efficiency and supports applications ranging from surveillance to smart building technologies.

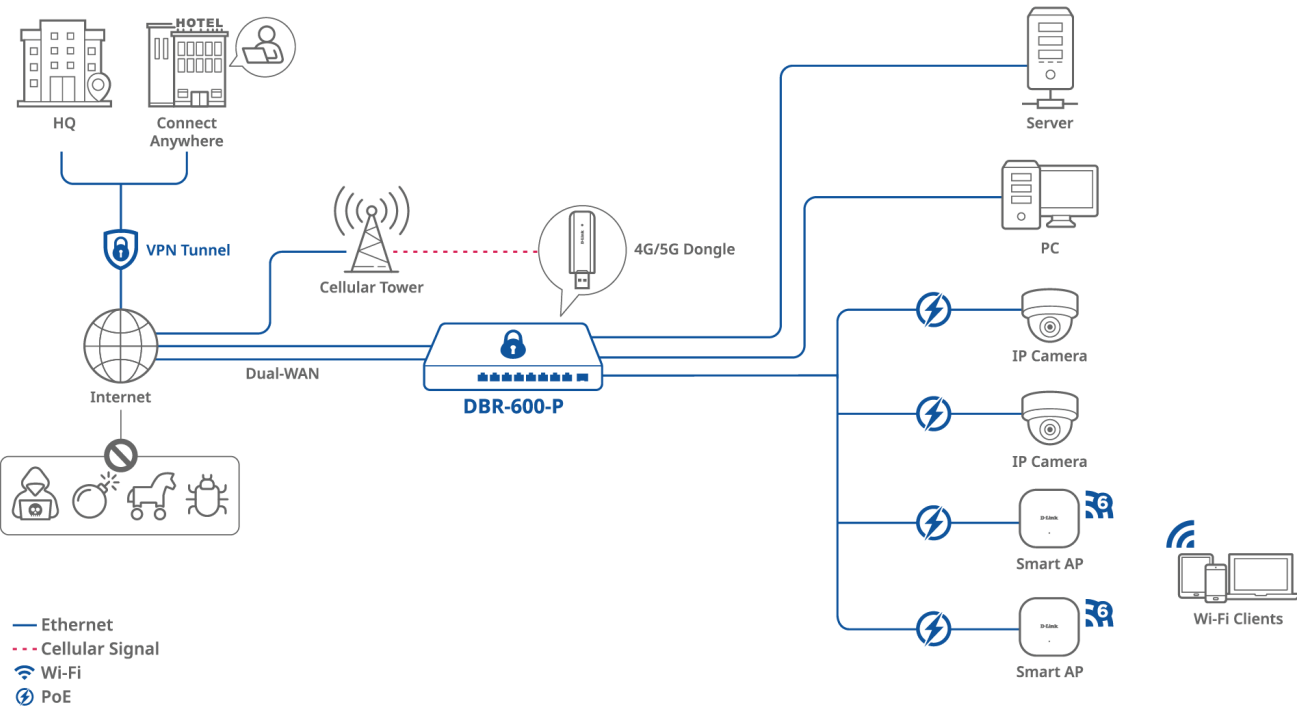
## Firewall Security

Robust firewall security protects your network from unauthorised access and cyber threats. It includes advanced features such as intrusion detection and prevention systems (IDS/IPS), URL filtering, and stateful packet inspection (SPI). With real-time monitoring and automatic threat mitigation, it safeguards sensitive data and maintains a secure network environment for all connected devices.

## AP Management

The smart AP (DBR-3000-AP) is managed through a business router (DBR-600-P) and operated via a unified dashboard, providing a centralised approach to network management. This setup simplifies network settings' configuration, monitoring, and control, making administrative tasks more efficient. It ensures consistent policy enforcement while offering real-time insights into network activity, ultimately enhancing overall efficiency and security.

## Connection Diagram



# Technical Specifications

| General                      |   |  |
|------------------------------|---|--|
| Device Interfaces            | <ul style="list-style-type: none"><li>• 1 x 10/100/1000/2.5G WAN port</li><li>• 1 x 10/100/1000/2.5G WAN/LAN Configurable ports</li><li>• 7 x 10/100/1000/2.5G LAN port</li><li>• 1 x USB 3.0</li></ul> | <ul style="list-style-type: none"><li>• 1 x Reset Button</li><li>• 1 x Power Connector</li><li>• 1 x Console Port (Debugging only)<sup>1</sup></li></ul> |
| PoE                          | <ul style="list-style-type: none"><li>• 802.3at PoE output</li><li>• Up to 8 PoE ports</li></ul>  | <ul style="list-style-type: none"><li>• Up to 120 W total PoE budget</li></ul>   |
| WAN                          |   |  |
| Ether-WAN Type               | <ul style="list-style-type: none"><li>• Dynamic IP</li><li>• PPPoE</li><li>• L2TP</li></ul>   | <ul style="list-style-type: none"><li>• Static IP</li><li>• PPTP</li></ul>   |
| WAN Failover                 | <ul style="list-style-type: none"><li>• Dual Ether-WAN Failover</li></ul>   | <ul style="list-style-type: none"><li>• USB LTE Dongle - Ether-WAN Failover</li></ul>  |
| WAN Load Balance             | <ul style="list-style-type: none"><li>• Dual Ether-WAN Load Balance</li></ul>   | <ul style="list-style-type: none"><li>• USB LTE Dongle - Ether-WAN Load Balance</li></ul>  |
| Network                      |   |  |
| LAN & VLAN                   | <ul style="list-style-type: none"><li>• DHCP Server/Relay</li></ul>   | <ul style="list-style-type: none"><li>• Port/Tag based VLAN</li></ul>  |
| Port Forward                 | <ul style="list-style-type: none"><li>• DMZ</li><li>• VPN Pass-through</li></ul>  | <ul style="list-style-type: none"><li>• Virtual Server</li><li>• DDNS</li></ul>  |
| Routing                      | <ul style="list-style-type: none"><li>• Static</li><li>• RIPv1/v2</li></ul>   | <ul style="list-style-type: none"><li>• Dynamic</li></ul>  |
| VPN                          |   |  |
| VPN Tunnel                   | <ul style="list-style-type: none"><li>• PPTP</li><li>• IPSec</li><li>• L2TP</li></ul>   | <ul style="list-style-type: none"><li>• WireGuard</li><li>• OpenVPN</li><li>• GRE</li></ul>  |
| Security                     |   |  |
| Firewall                     | <ul style="list-style-type: none"><li>• IPS/IDS</li><li>• MAC/IP Filtering</li></ul>  | <ul style="list-style-type: none"><li>• SPI Firewall</li><li>• URL Blocking</li></ul>  |
| AP Management                |   |  |
| Managed AP                   | Manage Up to 10 DBR-X3000-AP  |  |
| Wi-Fi SSID                   | <ul style="list-style-type: none"><li>• SSID Name</li></ul>   | <ul style="list-style-type: none"><li>• VLAN Tag</li></ul>   |
| Wi-Fi Security               | <ul style="list-style-type: none"><li>• WPA/WPA2/WPA3 Personal</li></ul>  | <ul style="list-style-type: none"><li>• WPA/WPA2/WPA3 Enterprise</li></ul>   |
| Captive Portal               | <ul style="list-style-type: none"><li>• Click-through</li><li>• Internal database</li></ul>   | <ul style="list-style-type: none"><li>• RADIUS</li></ul>   |
| Monitoring Feature           | <ul style="list-style-type: none"><li>• Clients IP/MAC</li></ul>  | <ul style="list-style-type: none"><li>• Clients Status and Statistics</li></ul>  |
| Device Firmware              | Firmware Upgrade  |  |
| Performance                  |   |  |
| Firewall Througput           | 2000 Mbps   |  |
| VPN Througput                | 400 Mbps  |  |
| Maximum Concurrent Sessions  | 200000  |  |
| New Sessions (Per second)    | 4000  |  |
| Maximum IPsec VPN Tunnel     | 50  |  |
| Maximum PPTP/L2TP VPN Tunnel | 30  |  |
| No. of Firewall Policies     | 128   |  |

| Physical and Environmental |                           |
|----------------------------|---------------------------|
| Power Input                | 54 V/2.7 A                |
| Dimensions                 | 120 x 190 x 38 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  |

1. The console port is reserved for internal diagnostics only and is not intended for regular use.