DrayTek

NAT

- NAT Session: up to 50,000
- Application Layer Gateway (ALG)
  - RTSP session limit same as normal NAT

IP Protocol

- IPv4 • IPv6

Ethernet WAN

- IPv4 - DHCP Client, Static IP, PPPoE, PPTP, L2TP, 802.1q Multi-VLAN Tagging
- IPv6 - Tunnel Mode: TSPC, 6rd, Static 6in4 Dual Stack: PPP, DHCPv6 Client, Static IPv6

Routing

- Route Policy: 30 Profiles
- Static Route: IPv4 20 Entries, IPv6 40 Entries
- Routing Protocol:
  - RIPv1/v2/RIPng, BGP, OSPFv2/v3

LAN Switch

- 8 × VLAN
- 4 × LAN Subnet
- DHCP Supports 253 IP Addresses on Each Subnet
- Port-based VLAN
- Tag-based VLAN
- VLAN Tagging (802.1q) on LAN
- Bind-IP to MAC Address: 300 Entries

Firewall

- Port Mapping
- Rule-Based Firewall
- Object-Based Firewall
- DoS Defense
- Time Schedule Control
- Email Alert and Logging via Syslog
- IP Address Anti-Spoofing
- IPv6 Firewall

Object Settings

- IP Object/Group
- IPv6 Object/Group
- Service Type Object
- Keyword Object
- Object Backup/Restore

USB

- Printer Server/File Sharing /Temperature Sensor

VPN

- 4 VPN Tunnels
- Protocol : IPsec, GRE over IPsec, IKEv2, OpenVPN, WireGuard
- Encryption : Hardware-based AES/DES/3DES
- Authentication : SHA1, SHA256, SHA512
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP for Tekeworkers
- IPsec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)

Network Feature

- Hardware Acceleration
- DHCP Client / Relay / Server
- Customize DHCP Option
- DHCPv6 Server
- Static IPv6 Address Configuration
- IGMP Proxy v3
- IGMP Snooping
- Dynamic DNS
- DNS Cache / Proxy
- DNS Security
- DNS forwarding
- LAN DNS
- NTP Client
- Hotspot Web Portal
- RADIUS Client
- UPnP 30 sessions
- Wake on LAN

Management

- Web-Based User Interface (HTTP / HTTPS)
- Command Line Interface (Telnet / SSH)
- Dashboard
- Administration Access Control
- Configuration Backup / Restore
- Built-In Diagnostic Function
- Firmware Upgrade via HTTP / TFTP
- Logging via Syslog
- Syslog Explorer
- SNMP v2 / v2c / v3
- Object-Based SMS / Mail Alert
- Management Session Time Out
- Multi-Level Management (admin / user)
- External Device Detection
- TR-069
- 802.3az
- Self-Signed Certificate
- Support Multi-Firmware Upgrade Utility

Virtual Controller

- AP Management
- Switch Management

Wireless (ax model)

- WiFi 6 Support Concurrent 2.4 + 5GHz Band
- Encryption
  - WEP (64 / 128-bit)
  - WPA / WPA2 / WPA3 / OWE
- Security Mode
  - WPA3 Personal
  - WPA3/WPA2 Personal
  - WPA2 Personal
  - WPA2/WPA Personal
  - WPA3 Enterprise
  - WPA2 Enterprise
  - WPA2/WPA Enterprise
  - OWE
  - WPA Personal
  - WPA Enterprise
  - WEP Personal
- Authentication
  - Pre-shared Key
- Multiple SSID
  - 4 x SSID for Each Band
- SSID VLAN Grouping with LAN Port
- Hidden SSID
- WPS
- Wireless Client List
- Wireless LAN Isolation
- MAC Address Control
- Access Point Discovery
- WDS (Wireless Distribution System)
  - Repeater
- WMM
- Airtime Fairness
- Station Control

Hardware Interface

- 1 x 2.5GbE WAN, RJ-45
- 3 × GbE LAN, 10 / 100 / 1000Base-T, RJ-45 1 x 2.5GbE LAN, 10/100/1000/2500Mbps
- 2 x USB Host 2.0
- 1 x Factory Reset Button
- 1 x Wireless ON/OFF/WPS Button (ax model)
- 2 × Detachable Antennas for 2.4GHz+5GHz & 1 x Internal Antenna for 5GHz (ax model)