DrayTek

Vigor1100ax

GPON VPN Security Router



Vigor1100ax is a GPON Wi-Fi 6 (IEEE 802.11ax) VPN router designed for FTTH deployments. Featuring a dedicated GPON WAN, a switchable Gigabit WAN/LAN port, and 3 Gigabit LAN ports, it offers flexible connectivity for fiber and Ethernet broadband networks. Integrated VPN and cybersecurity features provide secure, reliable networking for modern business environments.

GPON WAN | 2 VPN | 50k Sessions | AX3000



Interface

Fixed WAN Port	❶ 1 x GPON, SC/APC*
WAN/LAN Switchable Port	❷ 1 x GbE RJ-45*
Fixed LAN Port	❸ 3 x GbE RJ-45
USB Port	❹ 1 x USB 2.0
Button	1 x Factory Reset

*GPON WAN and Ethernet WAN cannot be active simultaneously.

Internet Connection

IPv4	PPPoE, DHCP, Static IP
IPv6	PPP, DHCPv6, Static IPv6, TSPC, 6rd, 6in4 Static Tunnel
802.1p/q Multi-VLAN Tagging	•
Failover	•
WAN Data Budget	•
Dynamic DNS	•

LAN

VLAN	802.1q Tag-based
Max. Number of VLAN	8
LAN Subnet	4
DHCP Server	Custom DHCP Options IPv4/IPv6 DHCP Server IPv4/IPv6 DHCP Relay
Wired 802.1x Authentication	•
Conditional DNS Forwarding	•
Hotspot Web Portal	•

WLAN (ax model)

Wi-Fi 6	•
Max. Number of SSIDs (per band)	8 (4)
Security Mode	OWE, WPA, WPA2, WPA2/WPA, WPA3, WPA3/WPA2
Authentication	Pre-Shared Key, 802.1x
OFDMA	•
Roaming	Assisted Roaming
WPS	WPS Button
WDS	Repeater
Access Control	Hide SSID
AirTime Fairness	•
Band Steering	•
WMM	•
Mesh (5GHz Only)	Root

Networking

Routing	Ipv4 Static Route, IPv6 Static Route, Policy Route, RIP v1/v2, BGP, OSPF (v2/v3)
Policy-based Routing	Protocol, IP Address, Port
DNS Security (DNSSEC)	•
IGMP	IGMP v2/v3, IGMP Proxy, IGMP Snooping
Local RADIUS Server	•

Bandwidth Management

Traffic Shaping Policy	•
IP-based Bandwidth Limit	•
IP-based Session Limit	•
APP QoS	•
Default Policy	•

Security

Firewall Filter	IP, Content, Traffic
Defense Setup	ARP Spoofing, IP Spoofing
MAC Filtering Profile	•
IPv6 Address Security	•

IAM

Users & Groups	•
Access Policies	•
Group Policies	•
Conditional Access Policies	•
Resources	•
Account Status	•
Backup and Restore	•

Management

Local Service	HTTP, HTTPS, Telnet, SSH v2, TR-069
Config Backup/Restore	•
Firmware Upgrade	WUI, TFTP, TR-069
Access Control	Access List
Notification Alert	SMS, E-mail
SNMP	v1, v2c, v3
Syslog	•
Virtual AP Controller	20
Mesh (Number of manageable Aps)	7
Virtual Switch Controller	5
VigorACS Management	•

NAT

Port Forwarding	•
DMZ Host	•
Port Trigger	•
ALG (Application Layer Gateway)	SIP, RTSP, FTP, H.323
UPnP	•

VPN

Site-to-Site	•
Teleworker VPN	•
EasyVPN	•
Protocols	IPsec, OpenVPN, WireGuard
Max. VPN Tunnels	2
User Authentication	RADIUS, TACACS+
IKE Authentication	Pre-Shared Key, X.509
IPsec Authentication	SHA-1, SHA-256, MD5
Encryption	AES, DES, 3DES
Translate Local Network	•
NAT-Traversal (NAT-T)	•
VPN Connection Status	•
Backup & Restore	•

Monitoring

Clients List	•
Log Center	•
Wireless Information	•
WAN	•
ARP Table	•
Route Table	•
DHCP Table	•
IPv6 TSPC Status	•
IPv6 Neighbor Table	•
DNS Cache Table	•
GPON Information	•
Remote DSL Status	•
PPPoE Pass-Through	•

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