

Enterprise 5-Port 10/100/1000T VPN Security Router

VR-300



Enterprise 4-Port 10/100/1000T 802.3at PoE + 1-Port 10/100/1000T VPN Security Router

VR-300P



Presentation Outlines

Presentation Outlines

**PRODUCT
POSITIONING**

**PRODUCT
OVERVIEW**

**PRODUCT
BENEFITS**

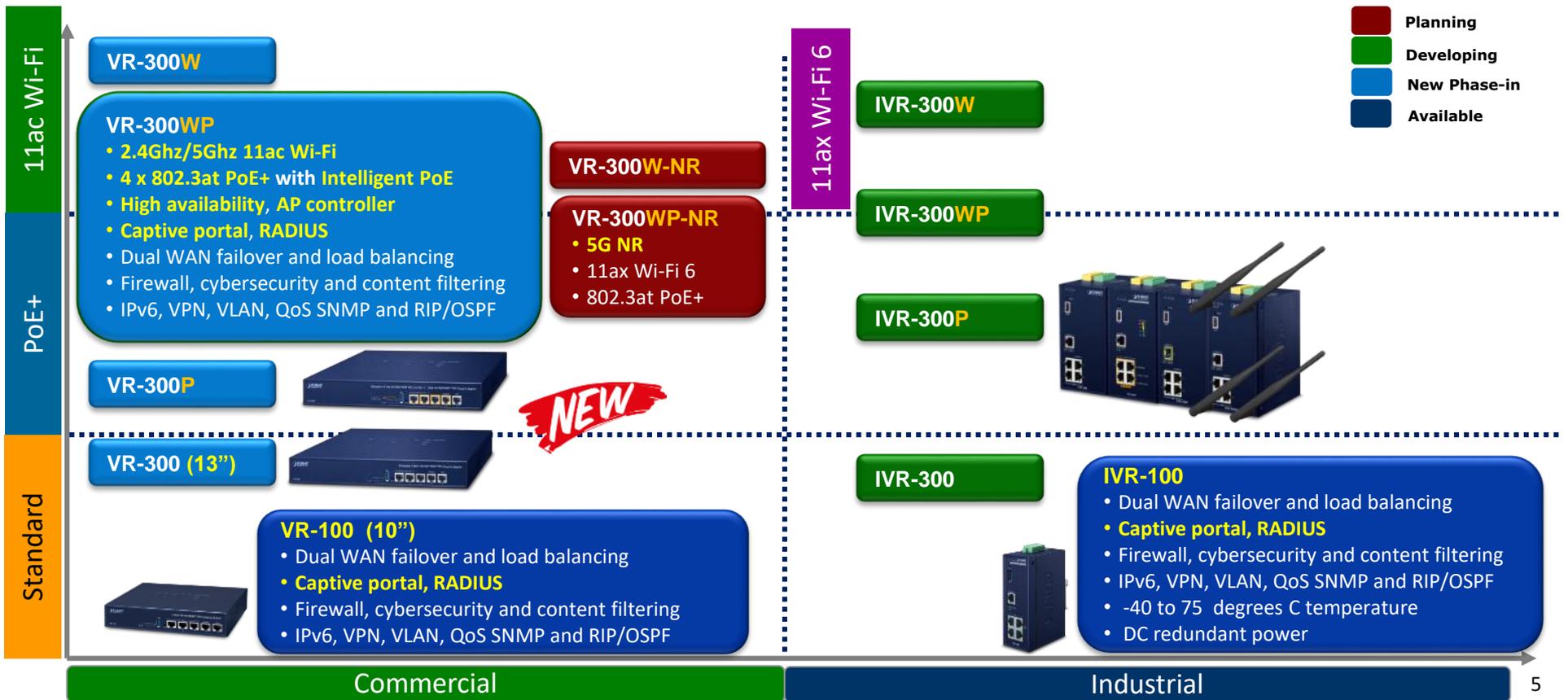
**PRODUCT
FEATURES**

APPLICATIONS

APPENDIX

Product Positioning

Product Positioning



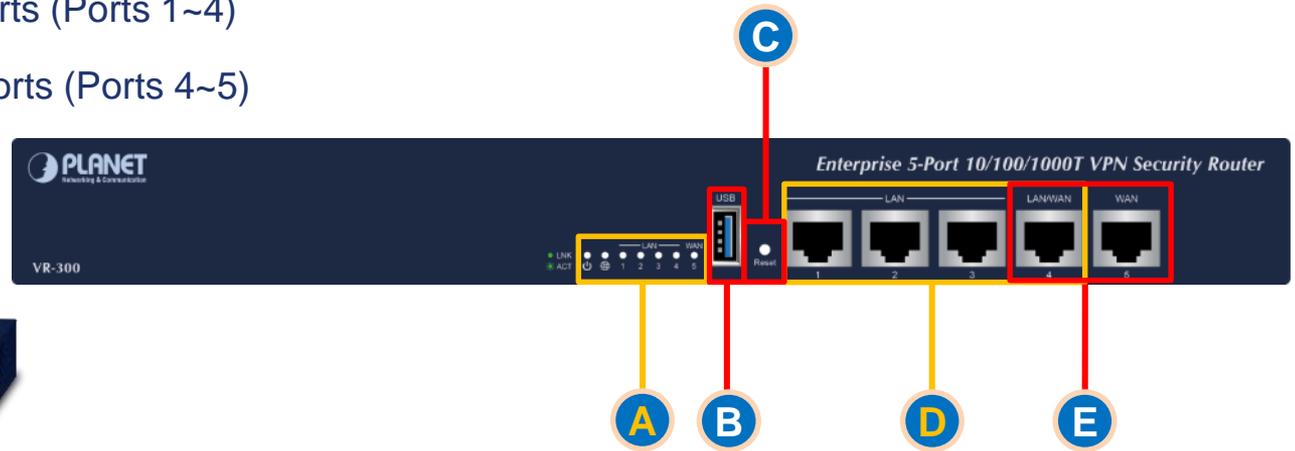
Product Overview

Front Panel

- A** LED Indicators
- B** USB Slot
- C** Reset Button
- D** 4 Gigabit LAN Ports (Ports 1~4)
- E** 2 Gigabit WAN Ports (Ports 4~5)



VR-300



Rear Panel

- F** Power Switch (ON/OFF)
- G** AC Power Input (100~240V, 1A max.)
- H** Grounding Screw

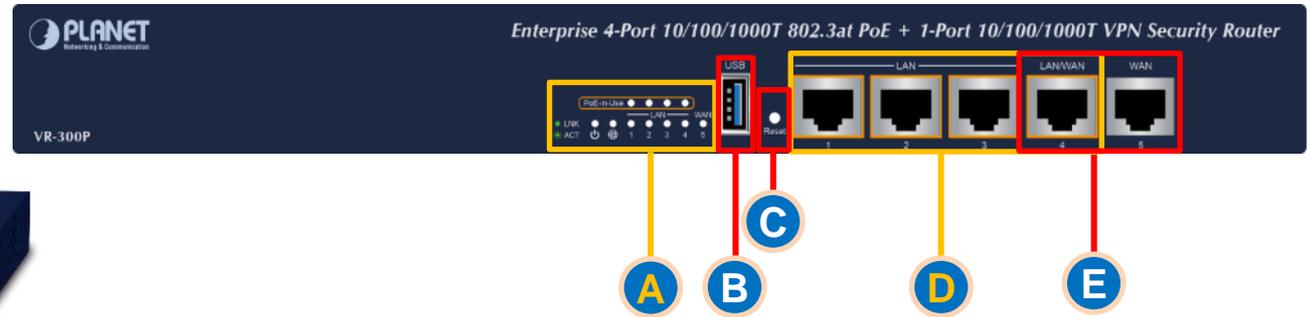


Front Panel

- A** LED Indicators
- B** USB Slot
- C** Reset Button
- D** 4 Gigabit LAN Ports with 4-port IEEE 802.3at PoE+ injector function (Ports 1~4)
- E** 2 Gigabit WAN Ports (Ports 4~5)



VR-300P



Rear Panel

- F** Fan
- G** Power Switch (ON/OFF)
- H** AC Power Input (100~240V, 2A max.)
- I** Grounding Screw



Product Benefits

Product Benefits



VR-300 Series

**High-Availability &
Dual-WAN**

to provide flexible
deployment options

**Captive Portal, RADIUS
and AP Controller**

to provide Wi-Fi Access/
Authentication with
simplified management

Complete network
protection with
**Cyber Security, SPI
Firewall
and Content Filtering**

**Full VPN Server
capability**
provides complete data
security and privacy

Product Features

Strengthening Your e-Business & Information Sharing Security



Your Concern about Network Security is a Thing of the Past

High
Availability

Captive
Portal

RADIUS
Server

Cyber
Security

Dual-WAN
Failover



PoE+



Wireless AP

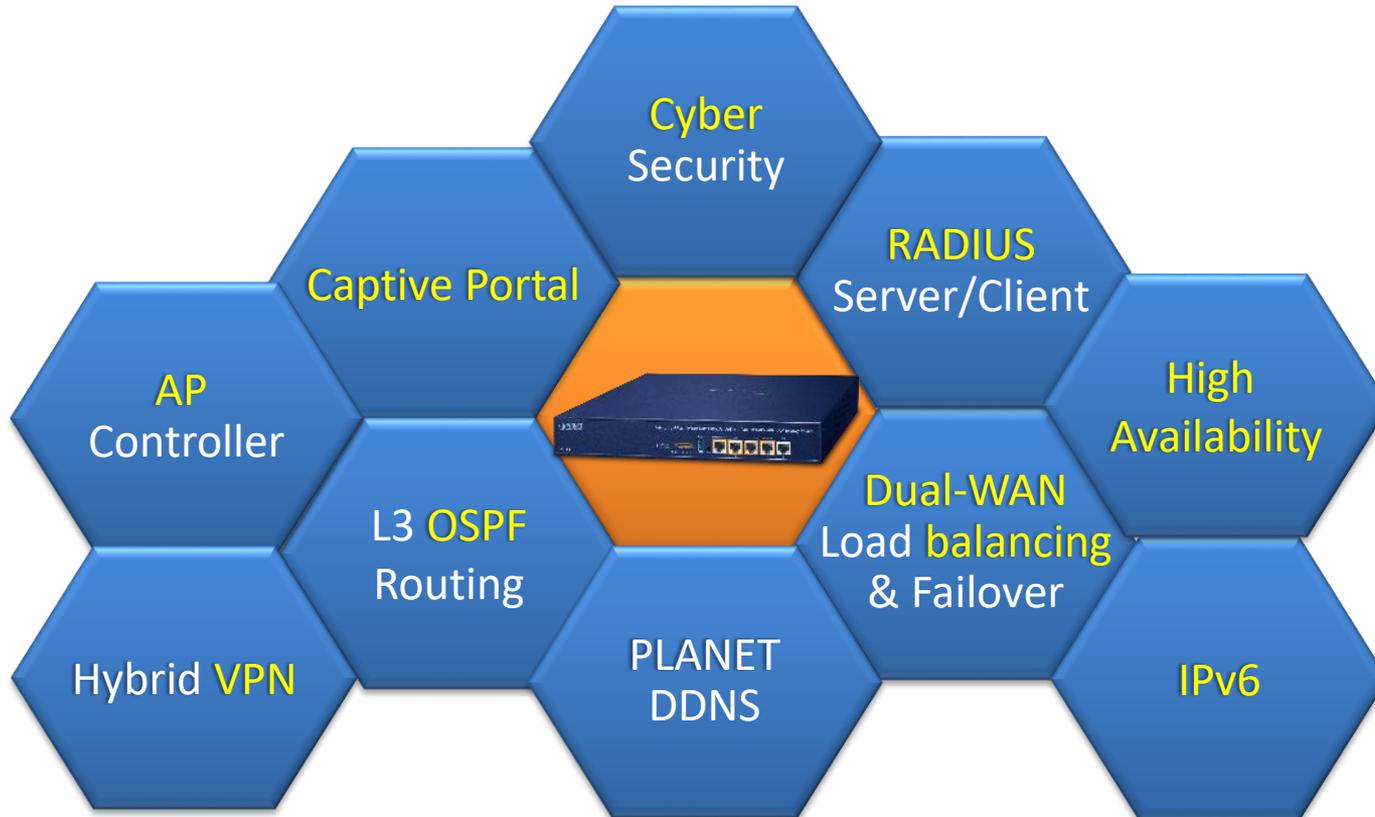


IP Camera



IP Phone

Product Key Features



Product Features

- High Availability -

Product Features

- ◆ Improving System and Network Efficiency
 - ◆ **High-Availability** and **Dual-WAN** interfaces enable the VR-300 series to support system/ WAN outbound load balancing and fail-over features.



Product Features - Captive Portal -

Product Features

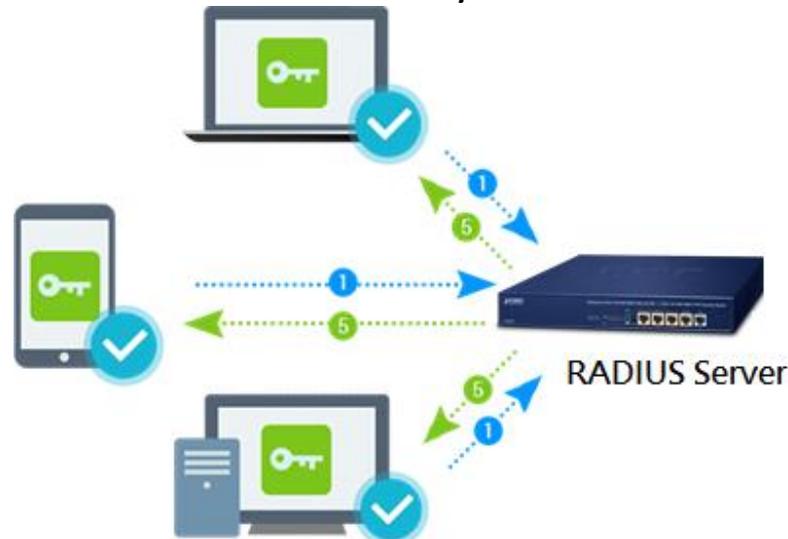
- ◆ **Wi-Fi Access with Simplified Management**
 - ◆ Provides a built-in AP Controller, **Captive Portal**, RADIUS and a DHCP server to facilitate small and medium businesses to deploy secure employee and guest access services without any additional server.



Product Features - RADIUS -

Product Features

- ◆ **Wi-Fi Authentication with Simplified Management**
 - ◆ Provides a built-in AP Controller, Captive Portal, **RADIUS** and a DHCP server to facilitate small and medium businesses to deploy secure employee and guest access services without any additional server.

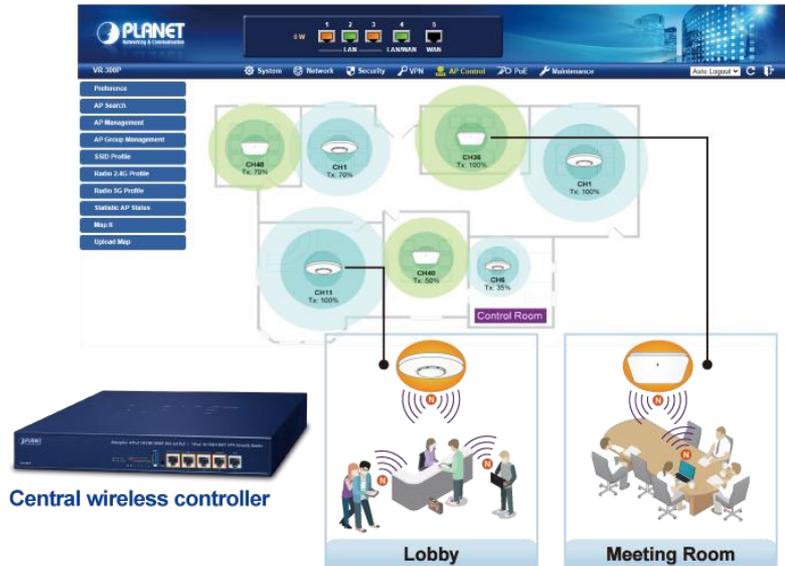


Product Features

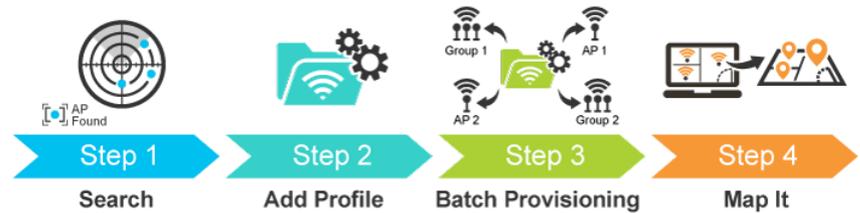
- AP Controller -

Product Features

- ◆ Centralized Remote Control of Managed APs
 - ◆ The VR-300 series provides centralized management of PLANET Smart AP series via a user-friendly Web GUI.



Simplified Cluster Management with 4 Steps

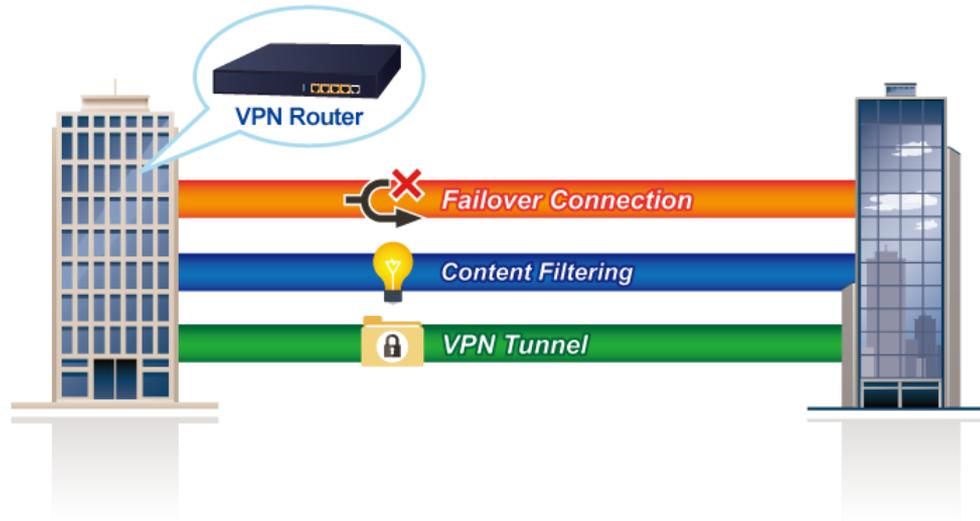


Product Features - Hybrid VPN -

Product Features

◆ Full VPN Capability

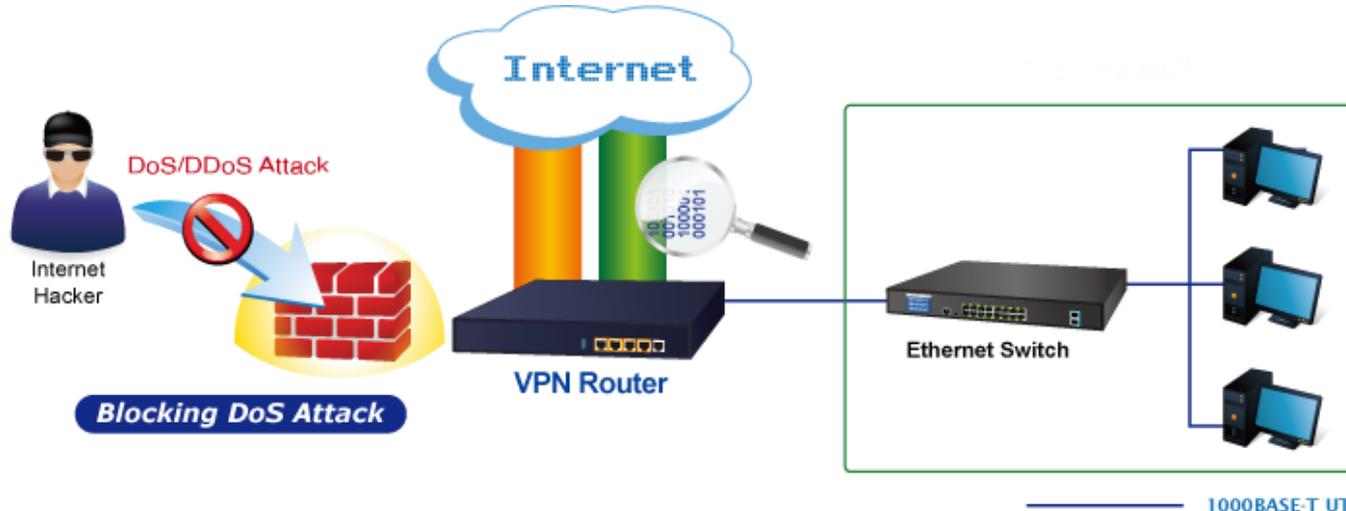
- ◆ With **IPSec/GRE/PPTP/L2TP/SSL** VPN server, the VR-300 series provides secure data communication at the headquarters.



Product Features - **Cybersecurity** -

Product Features

- ◆ Excellent Ability in Threat Defense
 - ◆ Built-in **Cybersecurity**, **SPI** (stateful packet inspection) **firewall** and **DoS/DDoS attack** mitigation functions provide high efficiency and extensive protection for your network.

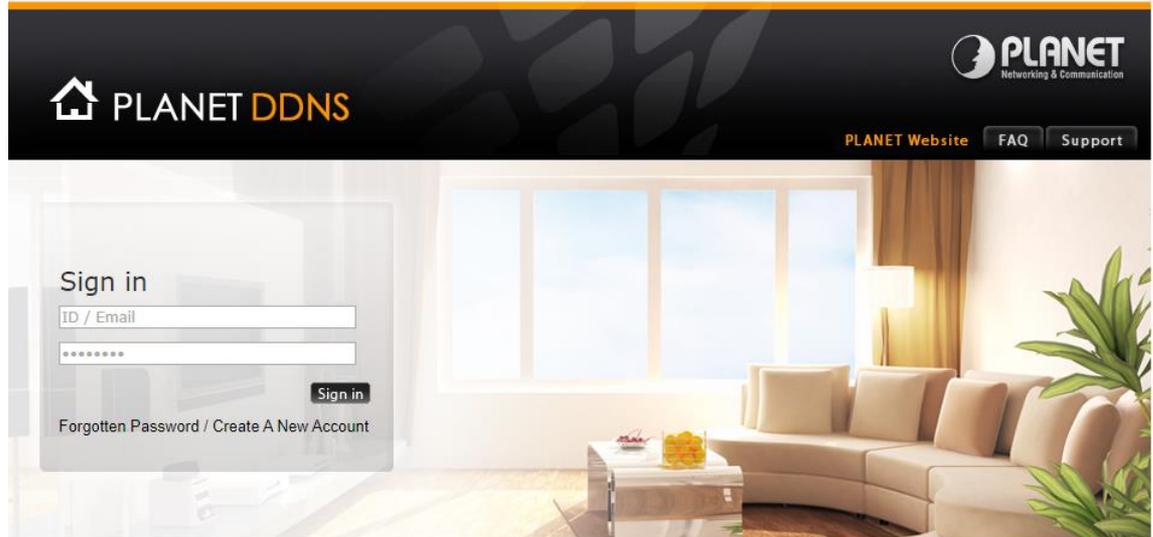


Product Features

- DDNS -

Product Features

- ◆ PLANET DDNS and Easy DDNS -- access anytime, anywhere
 - ◆ **Easy DDNS** lets users easily use DDNS function without manually adding a new account.



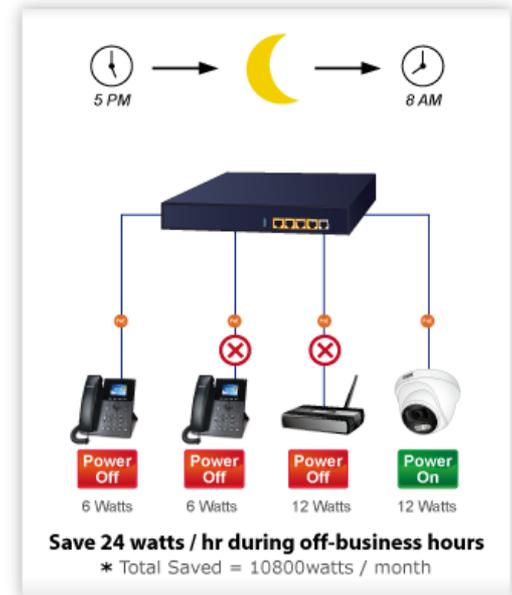
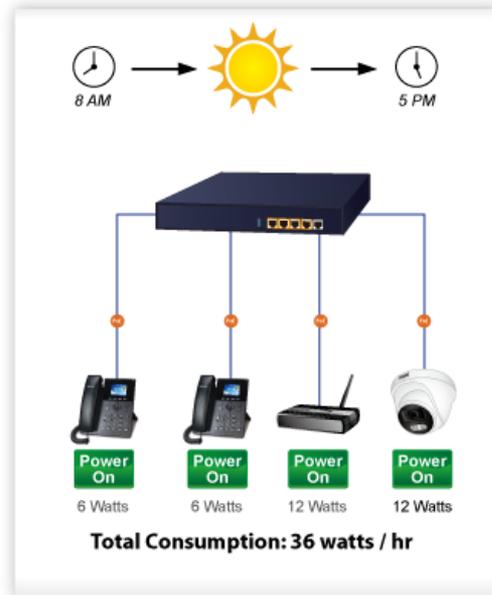
Product Features

- PoE -

Product Features

◆ Built-in Unique PoE Functions for Powered Devices Management

- ◆ PoE Usage Monitoring
- ◆ PoE Schedule
- ◆ PD Alive Check
- ◆ Scheduled Power Recycling



Product Features - Highlights -

Product Features

◆ Features

- ◆ Dual-WAN failover and Dual-WAN load balancing
- ◆ SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP over IPSec)
- ◆ Cybersecurity, Stateful Packet Inspection (SPI) firewall and content filtering
- ◆ Blocks DoS/DDOS attack, port range forwarding
- ◆ High availability, AP controller, captive portal and RADIUS
- ◆ IPv6, SNMP and PLANET DDNS
- ◆ Compliant with the IEEE 802.3at PoE+ with PD alive check/schedule management

Product Features - Hardware -

Product Features

◆ Hardware Features

- ◆ 5 10/100/1000BASE-T RJ45 ports (VR-300)
- ◆ 5 10/100/1000BASE-T RJ45 ports with **4-port IEEE 802.3at PoE+ injector** function (VR-300P)
- ◆ 1 undefined Ethernet port (LAN/WAN) for **Dual-WAN** function
- ◆ 1 USB 3.0 port for system configuration backup and restore
- ◆ Reset button and **Fanless** (VR-300) design
- ◆ Desktop installation or rack mounting

Product Features

- **Power over Ethernet** -

Product Features

◆ PoE Features (1/2)

- ◆ Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE
- ◆ Backward compatible with IEEE 802.3af Power over Ethernet
- ◆ Up to **4 ports** of IEEE 802.3af / 802.3at devices powered
- ◆ Supports PoE power up to **36 watts** for each PoE port
- ◆ Auto detects powered device (PD)
- ◆ Circuit protection prevents power interference between ports

Product Features

- ◆ PoE Features (2/2)
 - ◆ PoE management
 - Total PoE power budget control
 - Per port PoE function enable/disable
 - PoE port power feeding priority
 - Per PoE port power limitation
 - PD classification detection
 - PD alive check
 - PoE schedule

Product Features - Firewall Security -

Product Features

- ◆ Firewall Security Features
 - ◆ Cybersecurity
 - ◆ Stateful Packet Inspection (SPI) firewall
 - ◆ Blocks DoS/DDoS attack
 - ◆ Content Filtering
 - ◆ MAC Filtering and IP Filtering
 - ◆ NAT ALGs (Application Layer Gateway)
 - ◆ Blocks SYN/ICMP Flooding

Product Features

- VPN & IP Routing -

Product Features

- ◆ VPN & IP Routing Features
 - ◆ Static Routing
 - ◆ Dynamic Routing
 - ◆ L3 OSPF Routing
 - ◆ IPSec/Remote Server (Net-to-Net, Host-to-Net), GRE, PPTP Server, L2TP Server, SSL Server/Client (Open VPN)
 - ◆ Max. Connection Tunnel Entries: 60 VPN tunnels
 - ◆ Encryption methods: DES, 3DES, AES, AES-128/192/256
 - ◆ Authentication methods: MD5, SHA-1, SHA-256, SHA-384, SHA-512

Product Features - Network -

Product Features

- ◆ Network Features
 - ◆ IPv4/IPv6 Static IP/PPPoE/DHCP client for WAN
 - ◆ IPv4/IPv6 DHCP server/NTP client for LAN
 - ◆ 802.1Q VLAN and Multi-Subnet LAN Subnet (1 to 4)
 - ◆ QoS, DMZ and Port forwarding
 - ◆ IGMP Proxy, UPnP and SNMPv1,v2c,v3
 - ◆ PLANET DDNS, Easy DDNS, DynDNS and No-IP



Product Features

◆ Management Features

- ◆ **Dashboard** for real-time system overview
- ◆ **Chart Statistics** for real-time Network traffic overview
- ◆ **System Service, VPN Connection** for real-time status overview
- ◆ Setup **wizard**, Event Log and Auto reboot
- ◆ Up to **16** Managed AP devices
- ◆ Supported access by HTTP or HTTPS
- ◆ PLANET **Smart Discovery utility** supported

Product Comparison

Product Comparison

NEW

Model	VR-100	VR-300	VR-300P
Features			
Product outlook			
Hardware Features			
GE RJ45 WAN (Port 4~5)	1 + 1 (LAN/WAN)	1 + 1 (LAN/WAN)	1 + 1 (LAN/WAN)
GE RJ45 LAN (Port 1~4)	3	3	3
GE RJ45 PoE Ports	-	-	■ (LAN1 ~ LAN4)
PoE Standard	-	-	IEEE 802.3at
PoE Power Budget	-	-	120-watts max.
PoE Usage LED	-	-	■
USB Ports	1 x USB3.0	1 x USB3.0	1 x USB3.0
Material	10" metal case	13" metal case	13" metal case

Product Comparison

NEW

Model	VR-100	VR-300	VR-300P
Features			
Product outlook			
Software Features			
Intelligent PoE Management	-	-	■
AP Controller for Managing APs (max.)	-	■ (16)	■ (16)
Captive Portal	◆	■	■
RADIUS Server/Client	◆	■	■
HA (High Availability)	-	■	■
SD-WAN*	-	■	■
Switch Co-Defense*	-	■	■
WAN Failover	■	■	■
Load Balancing	■	■	■

Product Comparison

NEW

Features \ Model	VR-100	VR-300	VR-300P
Product outlook			
Software Features			
IPv6 (RFC 2460)	■	■	■
SNMP v1, v2c, v3	■	■	■
DHCP Server/Client (LAN/WAN)	■	■	■
802.1Q VLAN	■	■	■
Multi-Subnet LAN Subnet (1 to 4)	■	■	■
Service-based QoS	■	■	■
Dynamic DNS	■	■	■
IGMP Proxy	■	■	■
Wizard / Dashboard (Graphical)	■	■	■
Chart statistics	■	■	■

Product Comparison

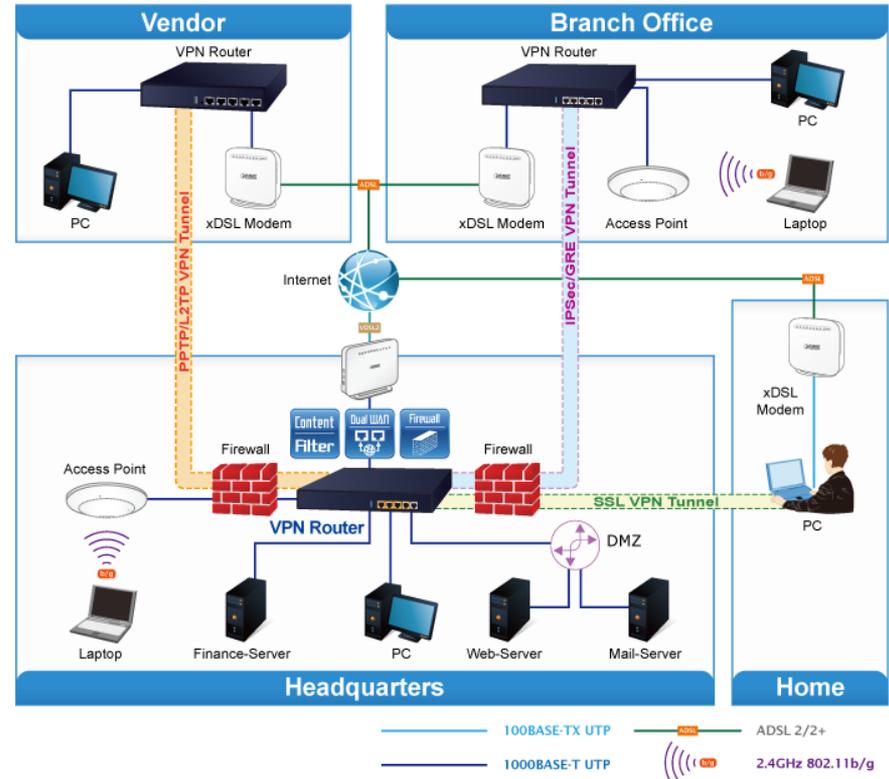
NEW

Features \ Model	VR-100	VR-300	VR-300P
Product outlook			
Software Features			
Cybersecurity (TLS 1.1/1.2/1.3)	■	■	■
Stateful Packet Inspection Firewall	■	■	■
DDoS attack protection	■	■	■
Content Filtering (MAC/IP/Web)	■	■	■
Unicast Routing	Static route, Dynamic route, RIPv1/V2, OSPF		
Hybrid VPN	IPsec, PPTP, L2TP, GRE and Open VPN (SSL)		
Encryption	Triple Data Encryption Standard (3DES) Advanced Encryption Standard (AES) encryption: AES-128, AES-192, AES-256		
Authentication	Message-Digest Algorithm (MD5), Secure Hash Algorithm 1 (SHA1) Secure Hash Algorithm 2 (SHA2): SHA2-256, SHA2-384, SHA2-512		

Applications

Applications

- ◆ The economically-priced VR-300 series with complete network security management features makes it an inevitable choice for the next-generation office network .



Applications

- ◆ The VR-300 can connect dual IPv4/v6 WANs with up to two different ISPs to ensure a smooth migration path from the IPv4-based network to the full IPv6 infrastructure. It assigns IPv6 addresses to clients and passes the IPv6 traffics through the IPv4 environment.



Appendix

Sales Target

◆ Target Markets

- ◆ Enterprises, SMB Offices
- ◆ System Integrators and Service Providers
- ◆ Resellers

◆ Recommended Solutions

- ◆ **VPN Firewall**: VR-100, IVR-100
- ◆ **VPN Gateway**: WGR-500-4PV, WGR-500-4P, WGR-500
- ◆ **Cellular Gateway** : ICG-2420-LTE series, VCG-1500WG-LTE, ICG-2510W-LTE series



Appendix

◆ VPN Firewall Devices

Models	Photo	Description
VR-100		5-Port 10/100/1000T VPN Security Router
IVR-100		Industrial 5-Port 10/100/1000T VPN Security Gateway
VR-300		Enterprise 5-Port 10/100/1000T VPN Security Router
VR-300P		Enterprise 4-Port 10/100/1000T 802.3at PoE + 1-Port 10/100/1000T VPN Security Router

Appendix

◆ VPN Gateway Devices

Models	Photo	Description
WGR-500-4PV		Industrial Wall-mount Gigabit Router with 4-Port 802.3at PoE+ and LCD Touch Screen
WGR-500-4P		Industrial Wall-mount Gigabit Router with 4-Port 802.3at PoE+
WGR-500		Industrial 5-Port 10/100/1000T Wall-mount Gigabit Router

Appendix

◆ Cellular Gateway Devices

Models	Photo	Description
ICG-2420-LTE		Industrial 4G LTE Cellular Gateway with 4-Port 10/100TX (2 SIM Card Slots, 2 RS232, 1 RS485, DI/DO, -20~70 degrees C)
ICG-2420G-LTE		Industrial 4G LTE Cellular Gateway with 4-Port 10/100TX (2 SIM Card Slot, 2 RS232, 1 RS485, DI/DO, GPS, -20~70 degrees C)
VC-1500WG-LTE		Vehicle 4G LTE Cellular Wireless Gateway with 5-Port 10/100TX (1 SIM Card Slot, 802.11n, GPS, -25~65 degrees C)
ICG-2510W-LTE		Industrial 4G LTE Cellular Wireless Gateway with 5-Port 10/100/1000T
ICG-2515WG-LTE		Industrial 4G LTE Cellular Wireless Gateway with 5-Port 10/100/1000T

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