PLANET
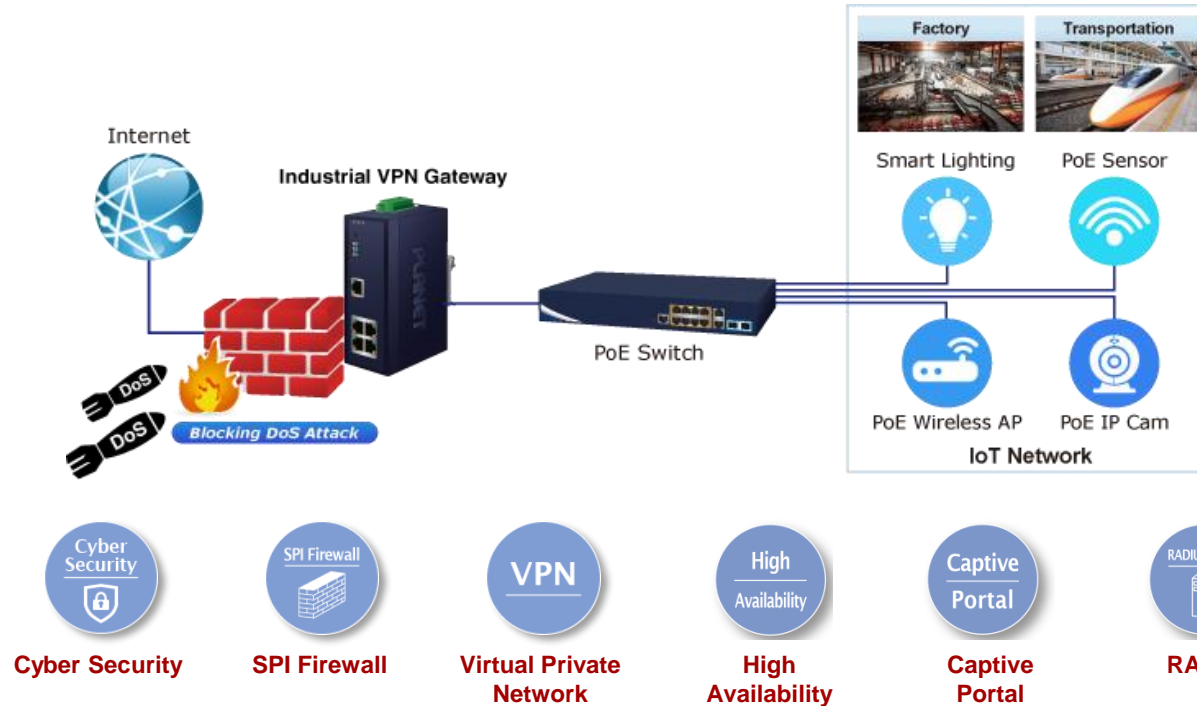Networking & Communication

Network Security Solution

cartronicgroup | DISTRIBUIDOR OFICIAL

Advantages of PLANET Solution

- **Ensures a safe and secure network in any sector**

Cyber Security **SPI Firewall** **Virtual Private Network** **High Availability** **Captive Portal** **RADIUS**

Network Security Products

- **5G NR / 4G LTE Cellular Gateway**

- **VPN Security Gateway**

- **Flat-type Smart Router**

- **Wireless VPN Router**

Product Features

5G NR / **4G LTE** Cellular Gateway

Features ICG-2515W-NR Series

Industrial 5G NR Cellular Wireless Gateway with 5-Port 10/100/1000T

- **Cellular Features**
  - Supports multi-band Sub-6G/ FDD LTE/ TDD LTE/ WCDMA GSM
  - Sub-6G: 2.4Gbps(DL)/ 500Mbps(UL) ; LTE: 1Gbps(DL)/ 200Mbps(UL)
  - Dual module SIMs for network redundancy

- **Wi-Fi 6 Wireless**
  - Compliant with Wi-Fi 6 IEEE 802.11ax dual-band for mobile client connectivity
  - Supports data rate of up to 1800Mbps (600Mbps in 2.4GHz and 1200Mbps in 5GHz)

- **Serial over LTE**
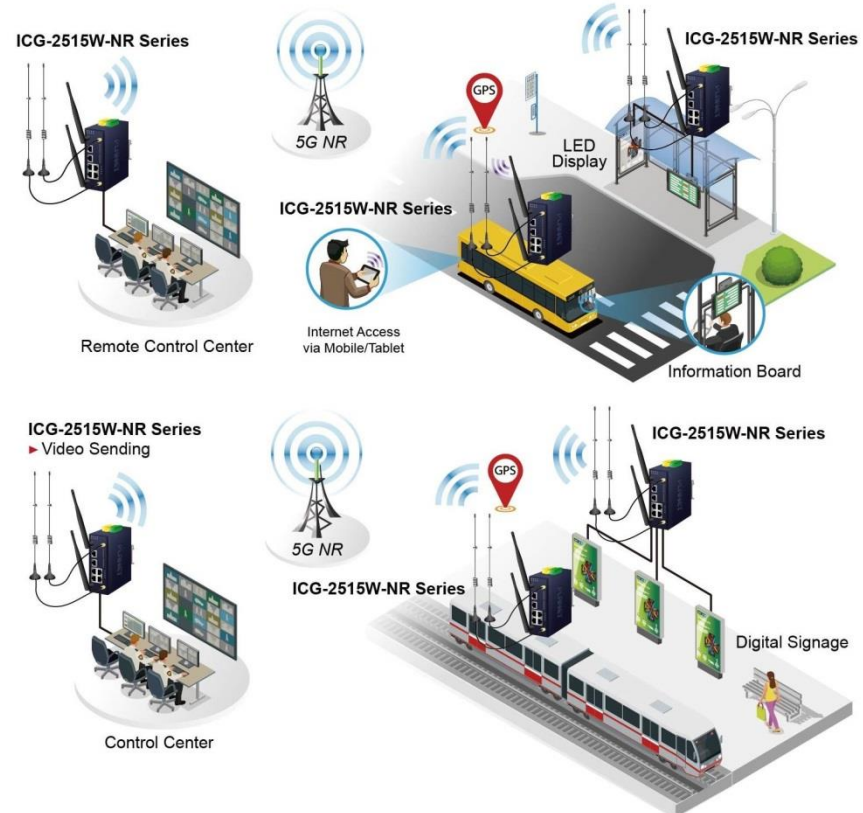 - 2 DI,1 DO ports
  - 1 RS232 or RS485 serial port

- **Industrial Conformance**
  - 9~56V DC power input
  - -40 to 75 degrees C operating temperature
  - IP30-rated metal case

ICG-2515W-NR series

5G NR Cellular Gateway Application

- **Making Network Connection Easy and Secure with 5G NR / 4G LTE Cellular Gateway**

Features ICG-2510 Series

Industrial 4G LTE Cellular Wireless Gateway with 5-Port 10/100/1000T

- **Cellular Features**
  - ✓ Supports multi-band FDD LTE/TDD LTE/ WCDMA GSM/LTE Cat4
  - ✓ Dual module SIMs for network load balancing and redundancy
  - ✓ Wi-Fi compliant IEEE 802.11b/g/n/ac dual-band for mobile client connectivity

- **Serial over LTE**
  - ✓ 2 DI,1 DO ports
  - ✓ 1 RS232 or RS485 serial port

- **Industrial Conformance**
  - ✓ 5~36V DC power input
  - ✓ -35 to 75 degrees C operating temperature
  - ✓ IP30-rated aluminum case

- **Full/Secure Management**
  - ✓ SSHv2 and SNMPv3 management
  - ✓ SNMP and Trap Alarm

Dual 4G Modules with Link Redundancy and Load Balancing

ICG-2510W-LTE

ICG-2510WG-LTE *(GPS included)*

- **Making Network Connection Easy and Secure with 4G LTE Cellular Gateway**

Features ICG-2420 Series

Industrial 4G LTE Cellular Gateway with 4-Port 10/100TX

- **Cellular Features**
  - ✓ Supports multi-band FDD LTE/TDD LTE/WCDMA/GSM/LTE Cat4
  - ✓ Built-in Dual SIM for network redundancy

- **Serial over LTE**
  - ✓ 2 DI and 1 DO ports
  - ✓ 2 RS232 and 1 RS485 serial ports

- **Industrial Conformance**
  - ✓ 10~32V DC power input
  - ✓ -20 to 70 degrees C operating temperature
  - ✓ IP40-rated aluminum case

- **Full/Secure Management**
  - ✓ SSHv2 and SNMPv3 management
  - ✓ SNMP and Trap Alarm

4G LTE Gateway

VPN Server/Client

RS232/RS485 Serial Server

GPS

ICG-2420-LTE

ICG-2420G-LTE (GPS included)

5G NR / 4G LTE Cellular Gateway Series

Model	ICG-2515W-NR	ICG-2515WP-NR	ICG-2510W-LTE	ICG-2510WG-LTE	ICG-2420-LTE	ICG-2420G-LTE
Features						
Cellular	5G NR		4G LTE		4G LTE	
SIM Interface	2 SIM slots with redundancy		2 SIM slots with redundancy and load balance		2 SIM slots with redundancy	
Copper Interface	1 WAN 10/100/1000BASE-T 4 LAN 10/100/1000BASE-T		1 WAN 10/100/1000BASE-T 4 LAN 10/100/1000BASE-T		1 WAN 10/100BASE-TX 3 LAN 10/100BASE-TX	
Serial Interface	1 serial port (RS232/ RS485)		1 serial port (RS232/ RS485)		2 RS232 and 1 RS485	
Wi-Fi Interface	802.11ax, 2.4G/ 5G dual band antenna		1 2.4G/ 5G dual band antenna		--	
Power over Ethernet	--	4 x 802.3at PoE+	--	--	--	--
GPS Interface	--		--	▪	--	▪
DI/DO Interface	2 DI, 2 DO		2 DI, 1 DO		2 DI, 1 DO	
Modbus TCP	▪		▪		▪	
Central Management	UNI-NMS		UNI-NMS		UNI-NMS	
Operating Temperature	-40~75 degrees C		-35~75 degrees C		-20~70 degrees C	
Power Input	9~48V DC	48~56V DC	9~36V DC		10~32V DC	

Features VCG-1500WG-LTE

Vehicle 4G LTE Cellular Wireless Gateway with 5-Port 10/100TX

- ◆ **Cellular Features**
  - ✓ With E-mark (E24) certified for Internet of Vehicle (IoV) environment
  - ✓ Supports multi-band FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat4
  - ✓ Wi-Fi compliant IEEE 802.11b/g/n 2.4GHz for mobile client connectivity

- ◆ **Serial over LTE**
  - ✓ 2 TF card and 1 USB ports
  - ✓ 1 RS232 serial ports

- ◆ **Industrial Conformance**
  - ✓ 6~32V DC power input
  - ✓ -25 to 65 degrees C operating temperature
  - ✓ IP30-rated aluminum case

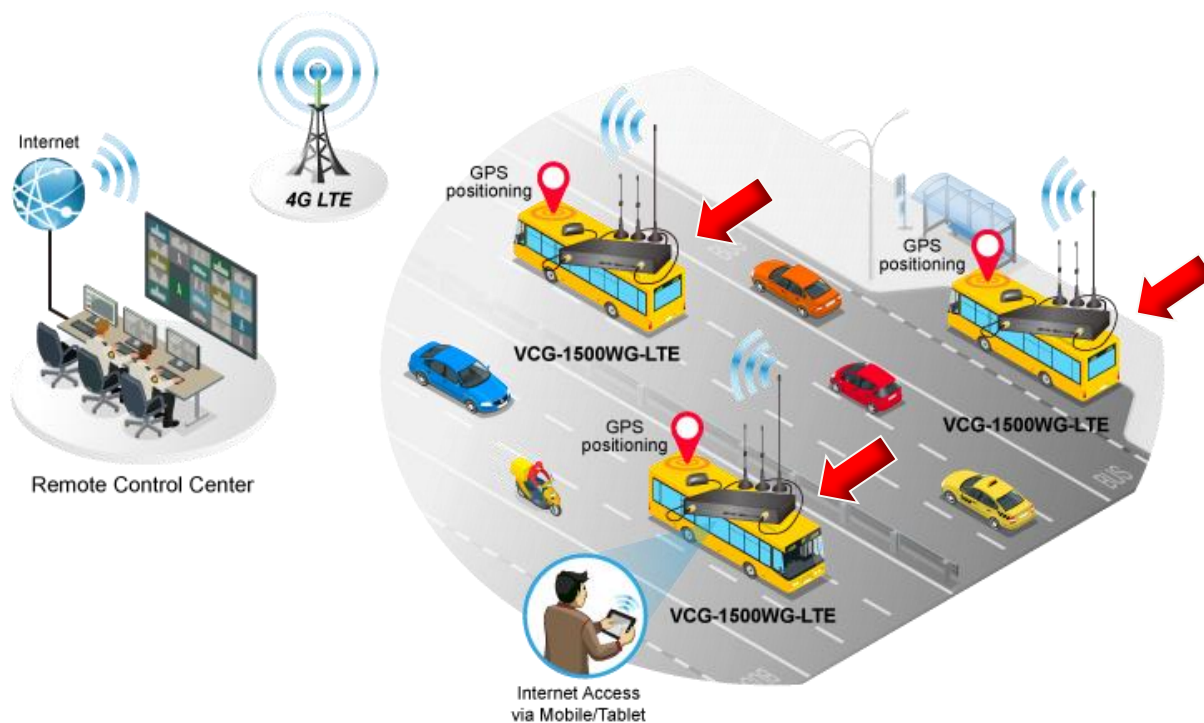- ◆ **Full/Secure Management**
  - ✓ GPS antenna allows to detect the location via sat nav system
  - ✓ CMS (Central Management System) for remote management and Wi-Fi advertising

VCG-1500WG-LTE (GPS included)

- **Secure Network Connection for IoV applications**

Product Features

VPN Security Gateway

Features VPN Security Router

- **Dual-WAN failover** and **Dual-WAN load balancing**

- **SSL VPN** and **robust hybrid VPN** (IPSec/ GRE/PPTP/ L2TP over IPSec)

- Stateful Packet Inspection (**SPI**) firewall and content filtering

- Blocks **DoS/DDoS** attack, port range forwarding

- IPv6, SNMP, PLANET DDNS and **cyber security** with HTTPS

- Simplified security management and wizard networking deployment

Features Enterprise VPN Gateway

- ### Networking
  - ✓ Dual-WAN failover and dual-WAN load balancing
  - ✓ Wizard, IPv6, SNMP, PPPoE, QoS, VLAN and PLANET DDNS
  - ✓ Static route, Dynamic route, RIPv1/v2, OSPF
  - ✓ High availability, AP controller, captive portal and RADIUS
  - ✓ Compliant with the IEEE 802.11ac and 802.3at PoE+ with PD alive check/ schedule management

- ### Advanced Security
  - ✓ SSL VPN and robust hybrid VPN (IPSec/ GRE/ PPTP/ L2TP over IPSec)
  - ✓ Cybersecurity, SPI firewall and content filtering
  - ✓ Blocks DoS/ DDoS attack, port range forwarding and cybersecurity with HTTPS
  - ✓ Hardware NAT accelerates internet NAT routing performance

VR-300
VR-300W (802.11ax compliant)

VR-300P (802.3at PoE+ compliant)
VR-300WP (802.11ax+802.3at PoE+ compliant)

Enterprise VPN Gateway Application
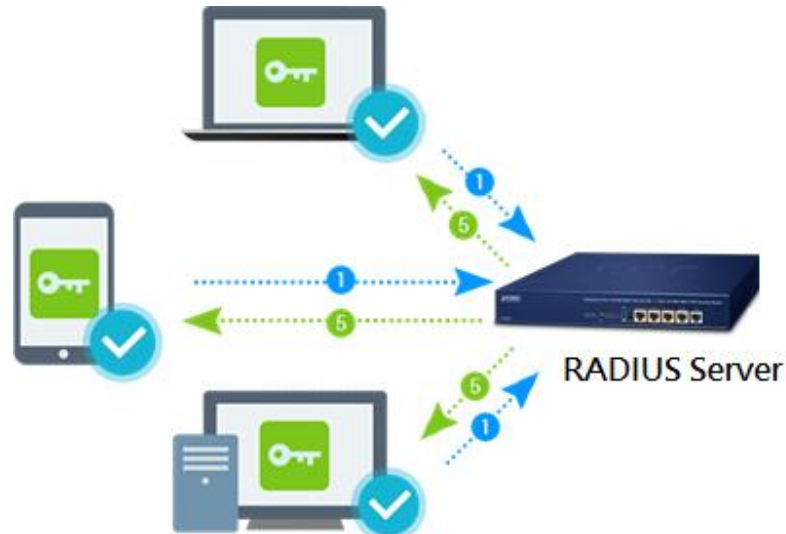
VPN Gateway Features - 1

◆ **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.
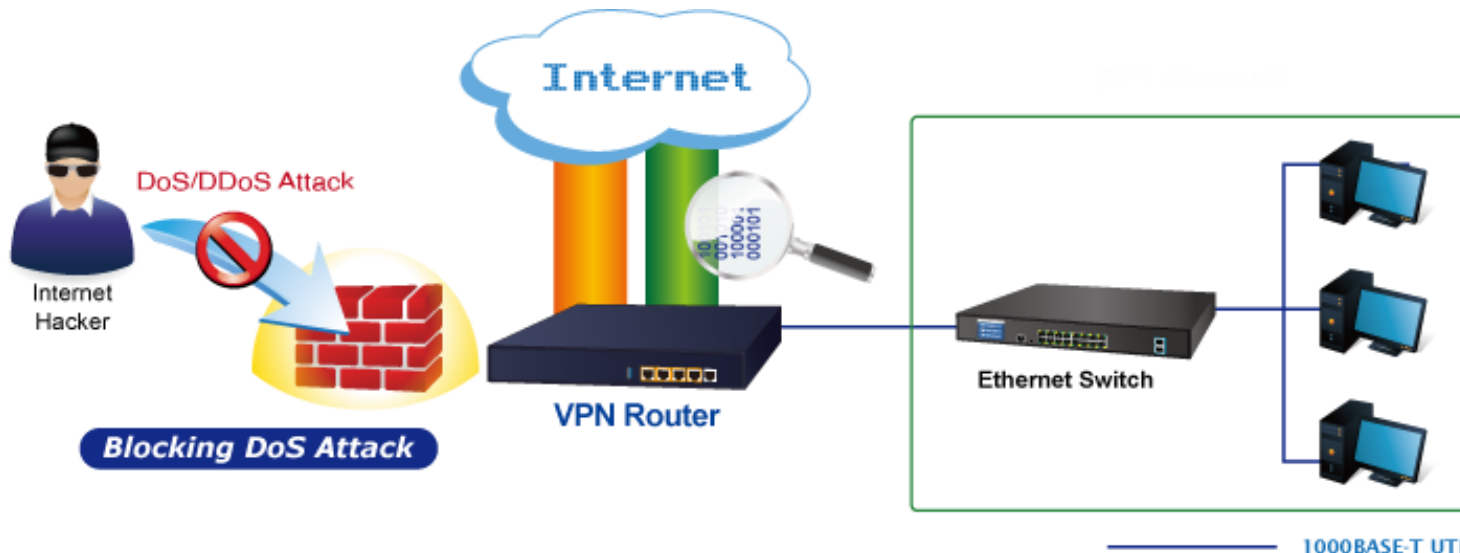
VPN Gateway Features - 2

◆ **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.

RADIUS Server

VPN Gateway Features - 3

◆ **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.
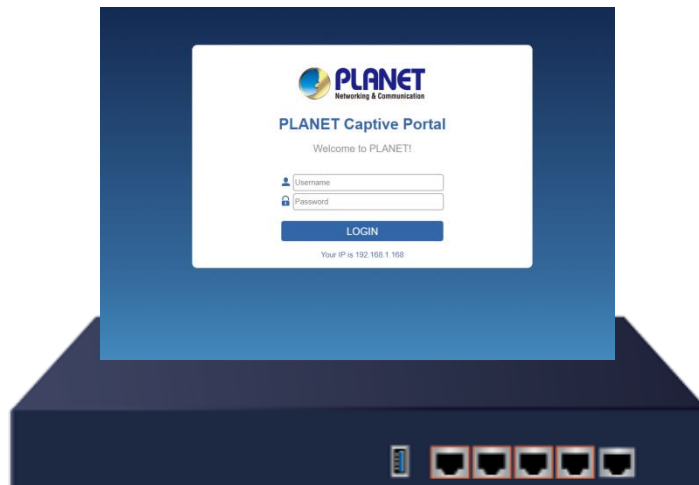
VPN Gateway Features - 4

◆ **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.
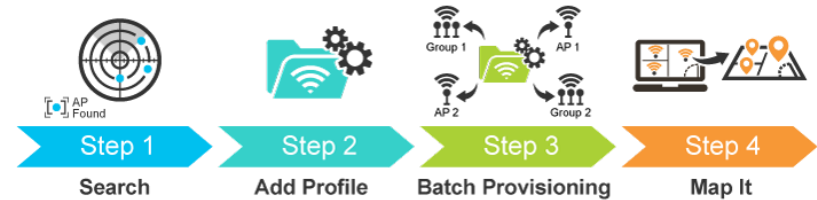
VPN Gateway Features - 5

◆ **Centralized Remote Control of Managed APs**

✓ The VR-300 series provides centralized management of PLANET Smart AP series via a user-friendly Web GUI.
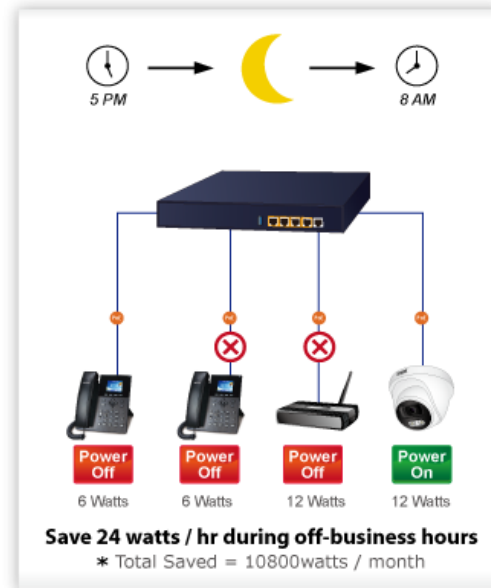

Central wireless controller
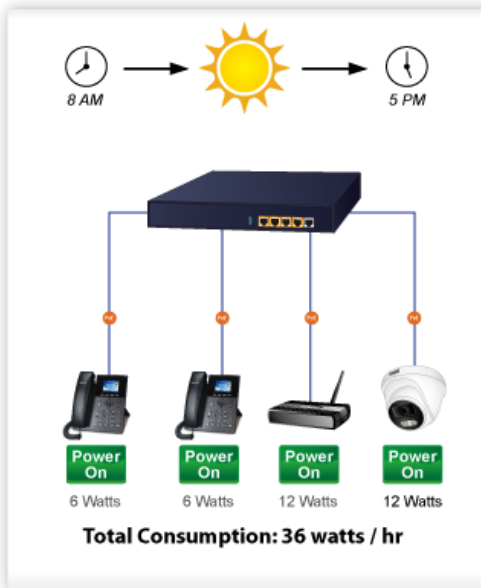
Lobby

Meeting Room
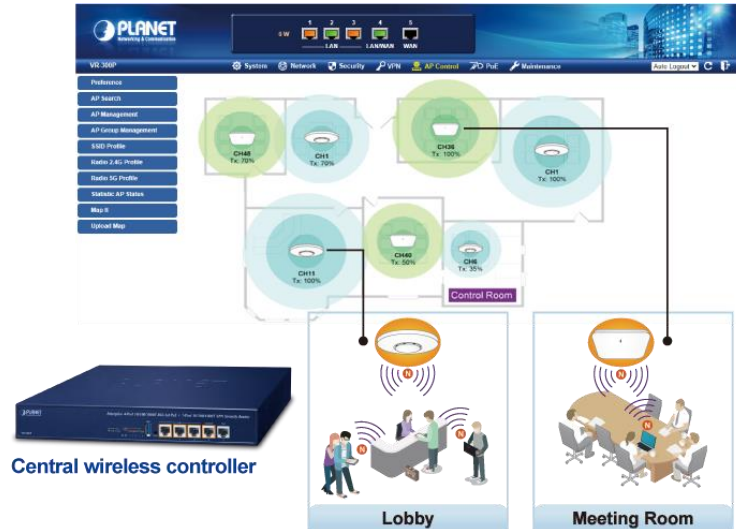
Simplified Cluster Management with 4 Steps

Step 1	Step 2	Step 3	Step 4
Search	Add Profile	Batch Provisioning	Map It

VR-300P、VR-300WP Features

◆ **Built-in Unique PoE Functions for Powered Devices Management**

✓ PoE Usage Monitoring

✓ PoE Schedule

✓ PD Alive Check

✓ Scheduled Power Recycling

Enterprise VPN Gateway Series

Model	VR-100	VR-300	VR-300W	VR-300P	VR-300WP	VR-300FP	VR-300F	VR-300W-NR
Features								
Gigabit RJ45 Port	5	5	5	5	5	4	4	5
Gigabit Fiber Port	--	--	--	--	--	1	1	--
PoE+ Port	--	--	--	4 * 802.3at PoE+			--	--
Cellular	--	--	--	--	--	--	--	5G NR
Wireless	--	--	**802.11ax**	--	**802.11ax**	--	--	**802.11ax**
OSPF Routing	■	■	■	■	■	■	■	■
SD-WAN	--	■	■	■	■	■	■	■
Switch Co-Defense	--	■	■	■	■	■	■	■
High Availability	--	■	■	■	■	■	■	■
Captive Portal	■	■	■	■	■	■	■	■
RADIUS	■	■	■	■	■	■	■	■
Wireless AP Management	--	■ (16)	■ (16)	■ (16)	■ (16)	■ (16)	■ (16)	■ (16)
Intelligent PoE Management	--	--	--	■	■	■	--	--

Features Industrial VPN Gateway

◆ Networking
- ✓ Dual-WAN failover and dual-WAN load balancing
- ✓ Wizard, IPv6, SNMP, PPPoE, QoS, VLAN and PLANET DDNS
- ✓ Static route, Dynamic route, RIPv1/v2, OSPF

◆ Advanced Security
- ✓ SSL VPN and robust hybrid VPN (IPSec/ GRE/ PPTP/ L2TP over IPSec)
- ✓ SPI firewall and content filtering
- ✓ Blocks DoS/DDoS attack, port range forwarding and cybersecurity with HTTPS
- ✓ Hardware NAT accelerates internet NAT routing performance

◆ Industrial Conformance
- ✓ -40 to 75 degrees C operating temperature
- ✓ 9~48V DC, redundant power with polarity reverse protect function

IVR-100

Features Industrial VPN Gateway

◆ Networking

- ✓ Dual-WAN failover and dual-WAN load balancing
- ✓ Wizard, IPv6, SNMP, PPPoE, QoS, VLAN and PLANET DDNS
- ✓ Static route, Dynamic route, RIPv1/v2, OSPF
- ✓ High availability, AP controller, captive portal and RADIU
- ✓ Compliant with the IEEE 802.11ax and 802.3at PoE+ with PD alive check/schedule management

◆ Advanced Security

- ✓ SSL VPN and robust hybrid VPN (IPSec/ GRE/ PPTP/ L2TP over IPSec)
- ✓ SPI firewall and content filtering
- ✓ Blocks DoS/DDoS attack, port range forwarding and cybersecurity with HTTPS
- ✓ Hardware NAT accelerates internet NAT routing performance

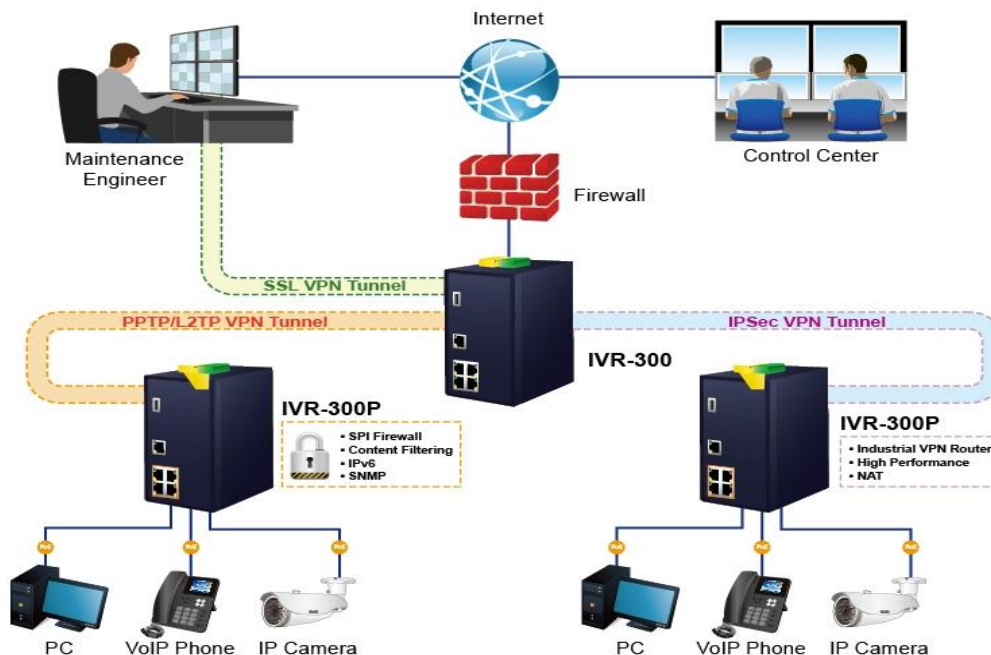## ◆ Industrial Conformance

- ✓ -40 to 75 degrees C operating temperature
- ✓ 9~48V DC, redundant power with polarity reverse protect function

- • **IVR-300**
- • **IVR-300P** (802.3at PoE+ compliant)
- • **IVR-300W** (**802.11ax** compliant)
- • **IVR-300WP** (**802.11ax**, 802.3at PoE+ compliant)

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Industrial VPN Gateway Application

- **Secure Data Delivery through Varied Types of VPN Tunnels**

Enterprise VPN Gateway Series

Features \ Model	IVR-100	IVR-300	IVR-300W	IVR-300P	IVR-300WP	IVR-300FP	IVR-300F
Gigabit RJ45 Port	5	5	5	5	5	4	4
Gigabit Fiber Port	--	--	--	--	--	1	1
PoE+ Port	--	--	--	4 * 802.3at PoE+			--
Wireless	--	--	802.11ax	--	802.11ax	--	--
OSPF Routing	■	■	■	■	■	■	■
SD-WAN	--	■	■	■	■	■	■
Switch Co-Defense	--	■	■	■	■	■	■
High Availability	--	■	■	■	■	■	■
Wireless AP Management	--	■(16)	■(16)	■(16)	■(16)	■(16)	■(16)
Captive Portal	■	■	■	■	■	■	■
RADIUS	■	■	■	■	■	■	■
Intelligent PoE Management	--	--	--	■	■	■	--

Product Features
Flat-type Smart Router

Flat-type Smart Router

- 2.4-inch color LCD touch screen with management functions *(WGR-500-4PV)*

- 802.3af/at PoE injector, 120-watt PoE budget *(WGR-500-4P/-4PV)*

- LED indicators for per port PoE In-Use and PoE Power Usage *(WGR-500-4P/-4PV)*

- PoE Schedule/ Schedule Power Recycle/ PD alive check *(WGR-500-4P/-4PV)*

- Firewall with 802.1Q VLAN security

- IPv6 and SNMP management support

- Wizard design and PLANET DDNS support

- SNMP, Port Forwarding, DMZ, and UPnP

- Hardware NAT accelerates internet NAT routing performance

- Dual redundant power input: terminal block and DC jack

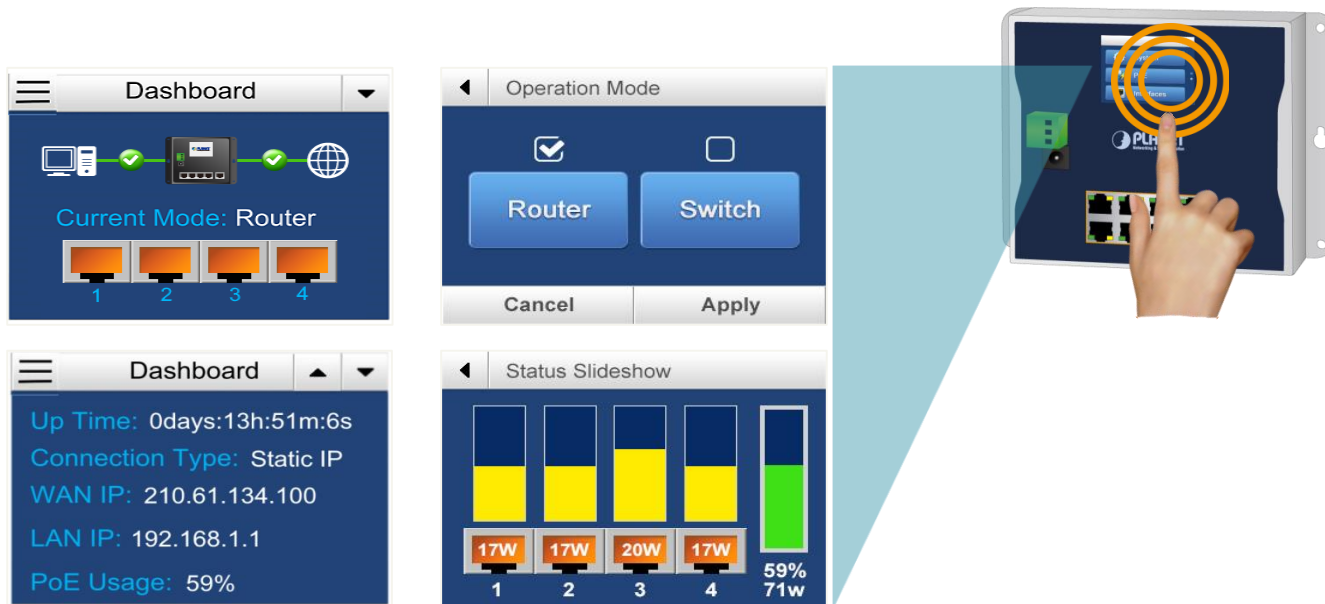- Wall-mount, Magnetic wall-mount, DIN-rail installation

WGR-500-4PV

WGR-500-4P

WGR-500

Intuitive LCD Control by WGR-500-4PV

- **Smart LCD touch panel facilitates the operation management and PoE PD management.**

Flat-type Smart Router Series

Model / Features	WGR-500-4PV	WGR-500-4P	WGR-500
Gigabit RJ45 Port	5	5	5
PoE+ Port	4	4	--
Router / Switch	■	■	■
IPv6	■	■	■
Firewall	■	■	■
VLAN	■	■	■
LCD Touch Screen	■	--	--
Dual Power	48-56V DC	48-56V DC	9-48V DC

Product Features
Wireless VPN Router

Features WDRT-1202AC

Dual-band 11ac 1200Mbps Router

- 802.11a/b/g/n/ac compliant, up to 1200Mbps performance
- Dual-band (2.4GHz & 5GHz) Wireless technology capable of up to 300+867Mbps data rate
- Four Gigabit LAN ports
- Wireless Schedule for power saving
- Scheduled Reboot and parent control
- Supports PPTP/ L2TP VPN client function to connect to Internet VPN server
- Easy for file sharing and charging mobile devices with USB 2.0 port
- Built-in DLNA Media Server allows DLNA-enabled devices to share and stream multimedia files over home network
- Guest SSID to allow users to access different networks through one single AP
- Supports NTP, Port Forwarding, UPnP and DMZ for various networking applications

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