

# Industrial 5-Port 10/100/1000T VPN Security Gateway

## IVR-100



# Presentation Outlines

- ◆ Product Positioning
- ◆ Product Overview
- ◆ Product Advantages
- ◆ Product Features
- ◆ Applications
- ◆ Appendix

Establish Secure Connection with **Hybrid VPN** Features



# Product Positioning



# PLANET VPN Network Security Family



**New**

## IVR-100

- 5 Gigabit RJ45
- Load balancing/WAN failover
- Blocks DoS/DDoS attack
- VPN server
- Content filtering
- **Cybersecurity**, QoS, VLAN
- 9-48V DC Input
- -40~75 degrees C



## VR-100

- 5 Gigabit RJ45
- Load balancing/WAN failover
- Blocks DoS/DDoS attack
- VPN server
- Content filtering
- **Cybersecurity**, QoS, VLAN

### VPN Firewall



## ICG-2510W(G)-LTE

- 5 Gigabit RJ45
- Industrial 4G LTE wireless gateway
- IEEE 802.11b/g/n/ac 2.4/5GHz
- VPN server/client
- 5-36V DC input
- -35~75 degrees C



## ICG-2420(G)-LTE

- 4 Gigabit RJ45
- Industrial 4G LTE gateway
- VPN server/client
- 10-32V DC Input
- -20~70 degrees C



## VCG-1500WG-LTE

- 5 Gigabit RJ45
- Vehicle 4G LTE gateway
- IEEE 802.11b/g/n 2.4GHz
- VPN client
- 6-32V DC input
- -25~65 degrees C

### Cellular & VPN Gateway



## CS-950

- 4 Gigabit RJ45
- Load balancing
- Failover
- ClamAV antivirus
- IDP
- VPN server/client
- Content filtering
- AP controller
- SNMP switch co-defense



Available

New Phase-in

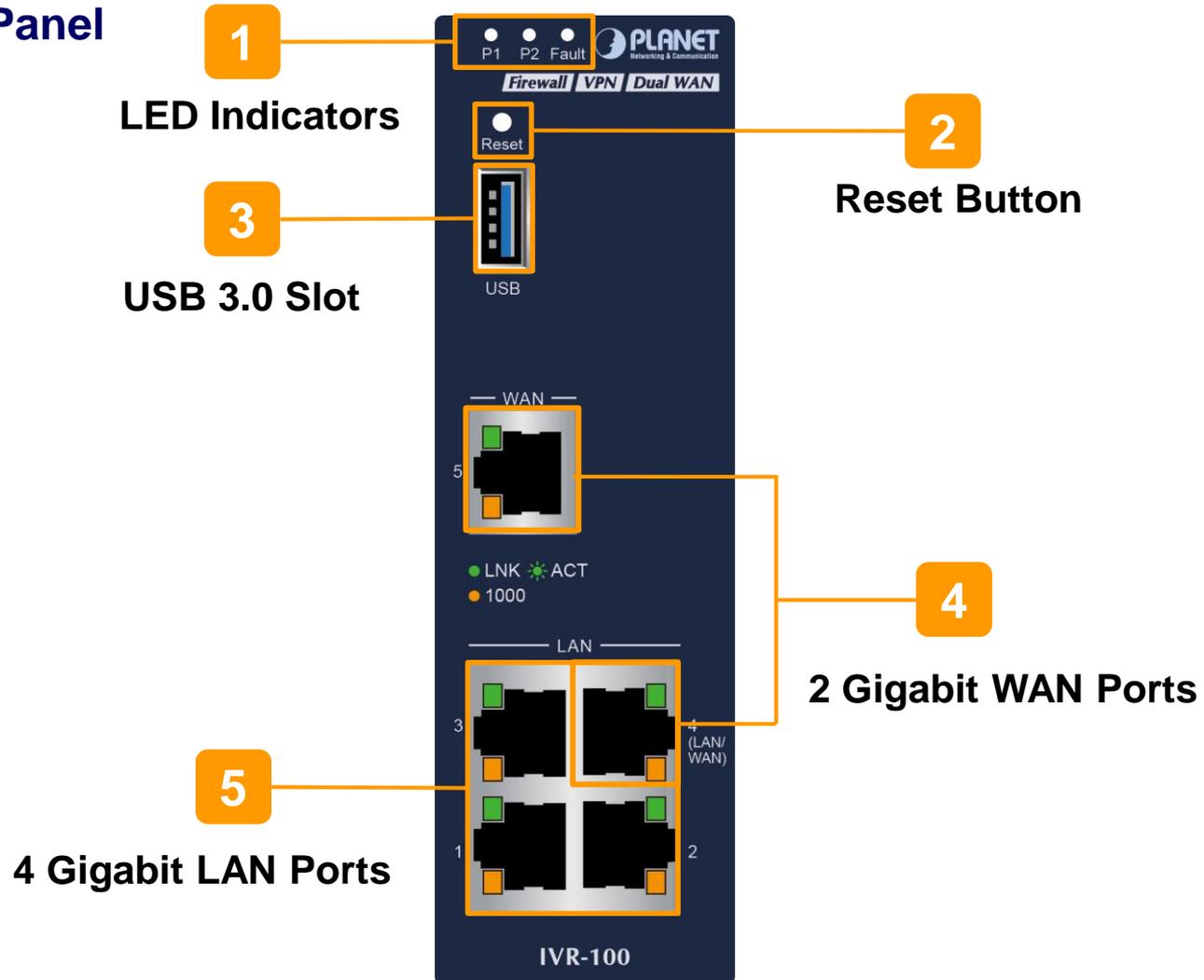
### UTM Security Gateway

# Product Overview



# Product Overview

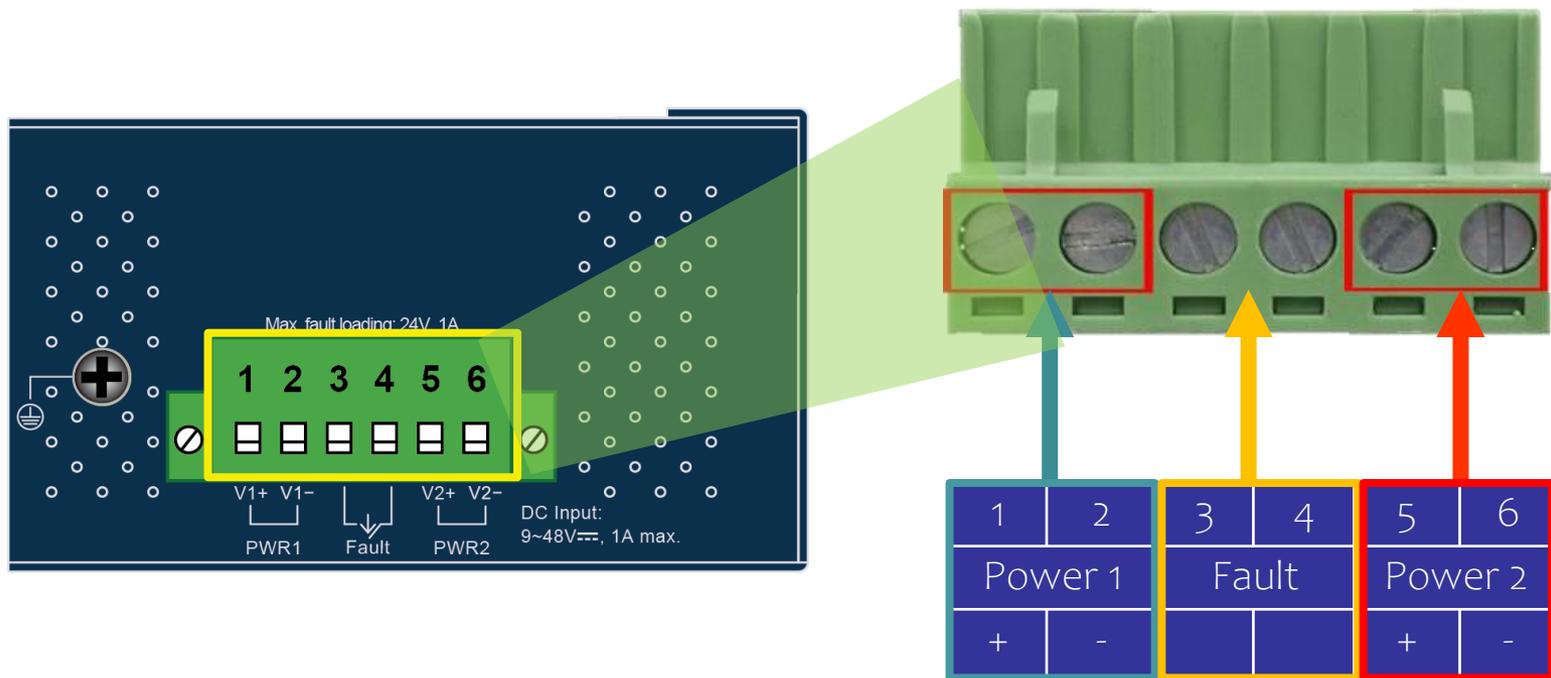
## ◆ Front Panel



# Product Overview

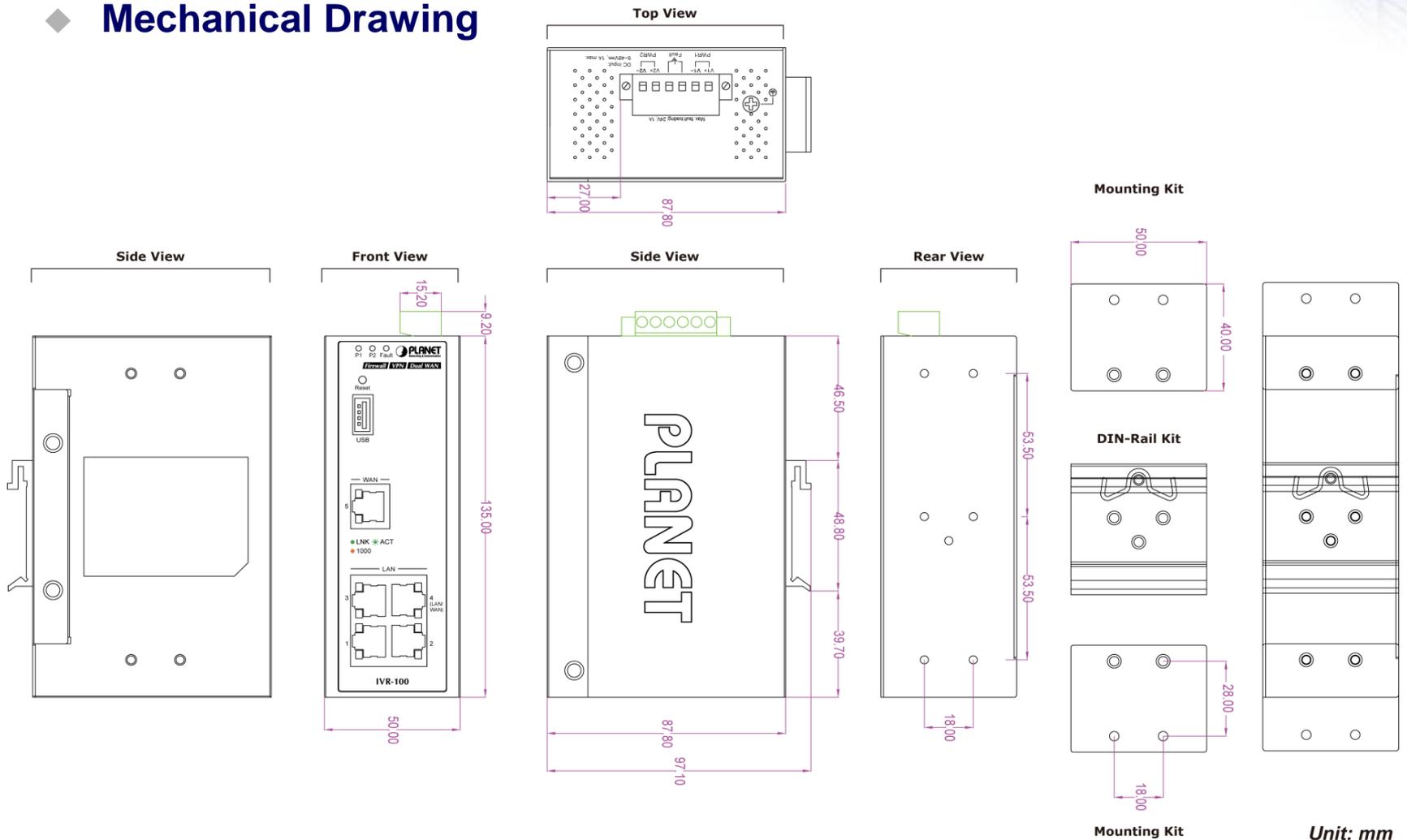
## ◆ Upper Panel

- ✓ **6-pin Removable Terminal Block**
  - **9~48V DC** redundant power input
  - Supports real-time power fault relay alarm



# Product Overview

## ◆ Mechanical Drawing



Unit: mm

# Product Advantages



# Product Advantages

- ◆ As required by customers

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

**Outbound load balancing and failover for dual-WAN**  
to provide flexible deployment options

Complete network protection with  
**SPI Firewall**  
and **Content Filtering**

Convenient and reliable  
**Redundant System**

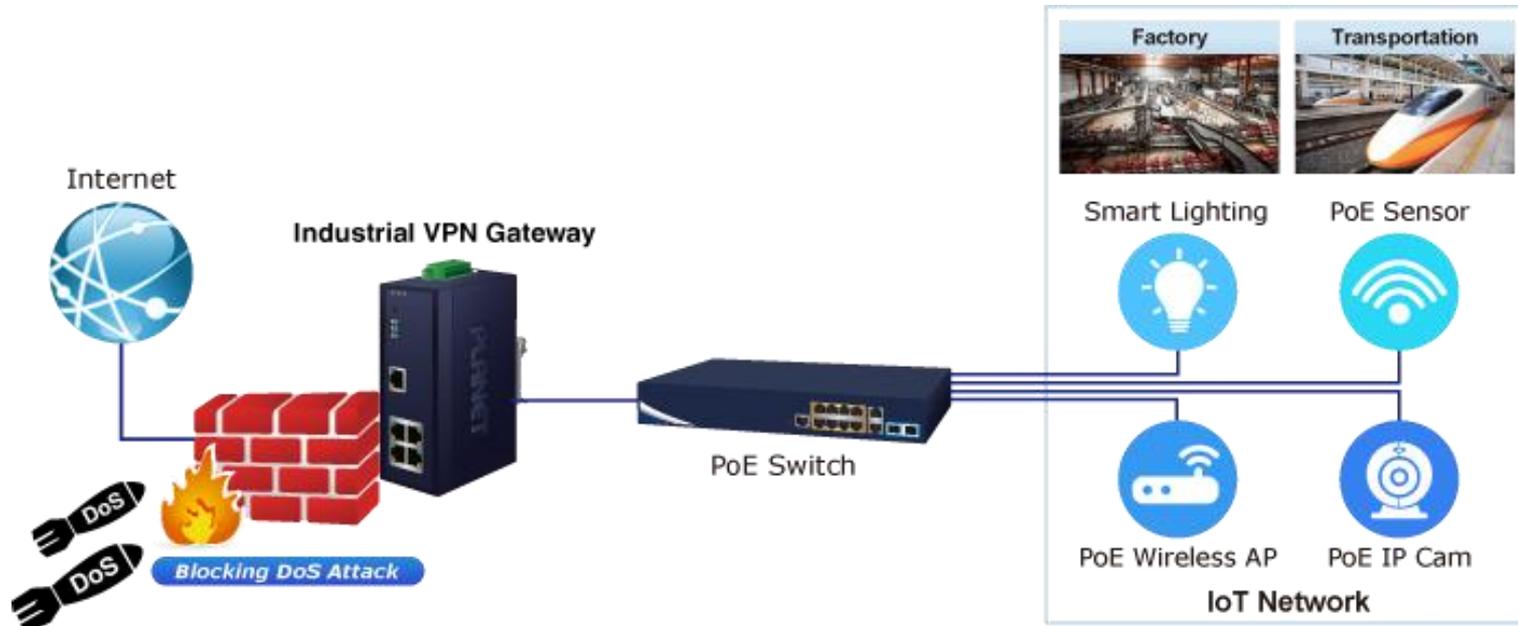


**IVR-100**  
Ideal **VPN Security Router** Solution System  
for harsh environment

# Product Advantages

## ◆ Ideal Security Solution

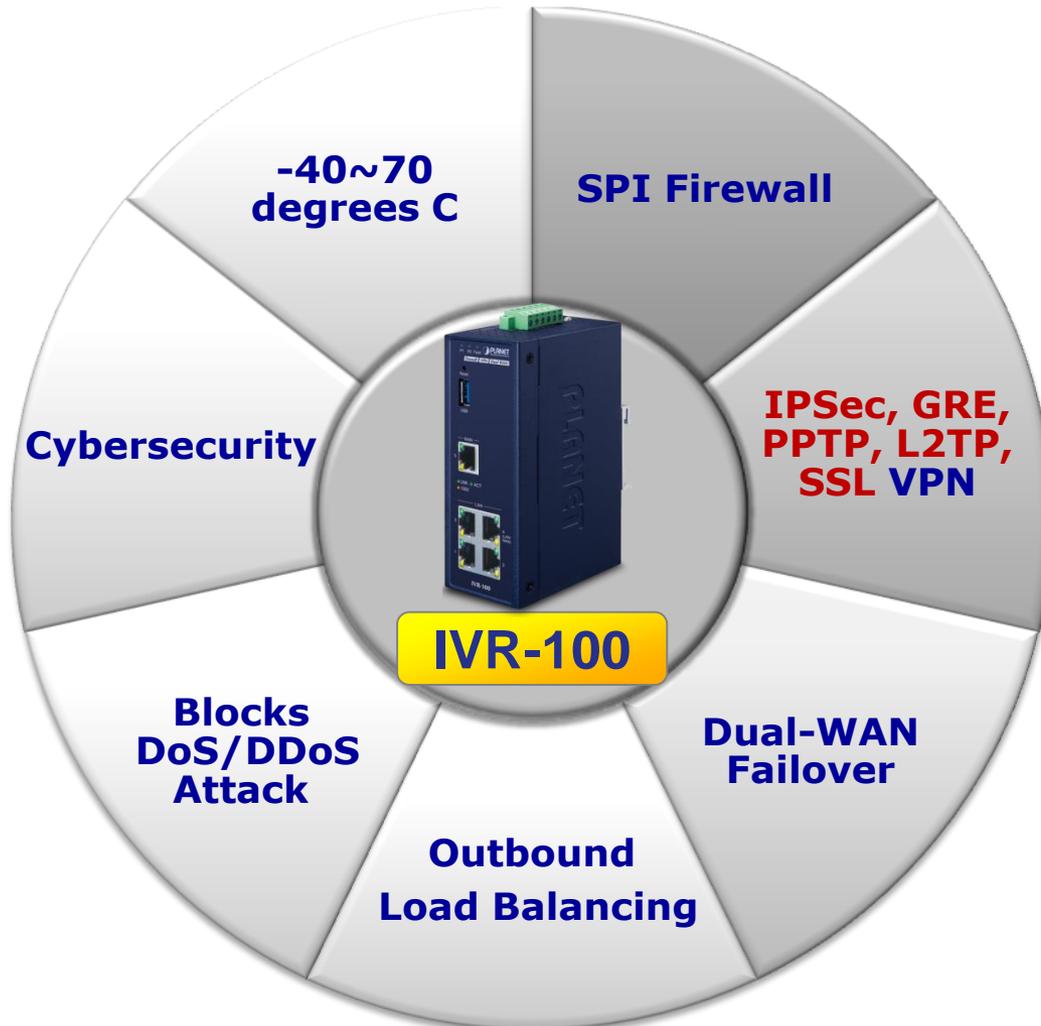
- ✓ The IVR-100 built-in **Stateful Packet Inspection Firewall** and **DoS/DDoS Protection** provide high performance and extensive security for your network.



# Product Features



# Product Key Features



# Product Features

## ◆ Hardware

- ✓ **5** 10/100/1000BASE-T RJ45 interfaces
  - 3 LAN ports and 1 WAN port
  - 1 undefined Ethernet port (WAN/LAN)
- ✓ **1** USB 3.0 port for system configuration backup and firmware upgrade
- ✓ Hardware-based reset button



# Product Features

## ◆ Industrial Case and Installation

- ✓ **IP30** metal case
- ✓ Solid DIN-rail, wall-mount or side wall-mount design
- ✓ Supports **6KV** DC Ethernet ESD protection
- ✓ Fault alarm for power input failure
- ✓ DC **redundant power** with reverse polarity protection
- ✓ **-40 to 75 degrees C** operating temperature

# Product Features

## ◆ Firewall Security

- ✓ **SPI** (Stateful Packet Inspection) firewall
- ✓ Blocks **DoS/DDoS** attack
- ✓ Blocks SYN/FIN/UDP/ICMP flooding attack
- ✓ Content filtering
- ✓ MAC/IP filtering

# Product Features

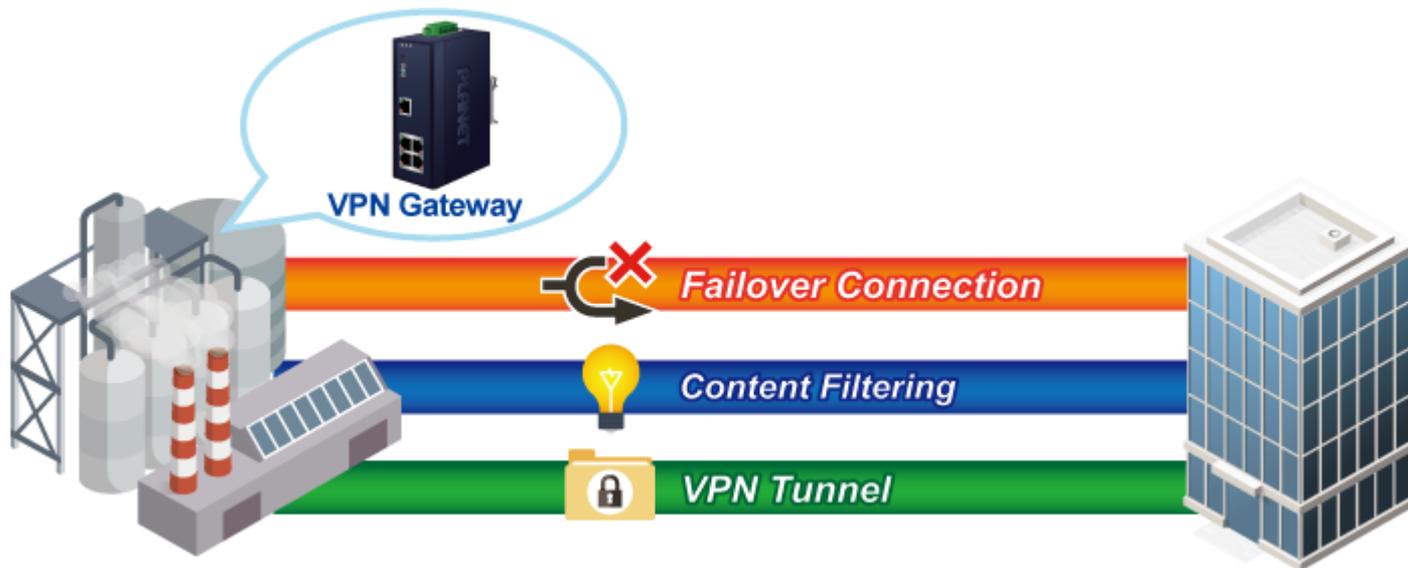
## ◆ VPN

- ✓ Supports **IPSec (Host to Host), GRE, PPTP, L2TP, SSL VPN server**
- ✓ Supports OpenVPN client
- ✓ Max. VPN clients are up to **60**
- ✓ Max. Connection Tunnel Entries: **60** VPN tunnels
- ✓ **Hardware acceleration**
- ✓ Max. VPN throughput is **100Mbps**
- ✓ Encryption methods: DES, 3DES, AES, AES-128/192/256
- ✓ Authentication methods: MD5, SHA-1, SHA-256, SHA-384, SHA-512

# Product Advantages

## ◆ Full VPN Capability

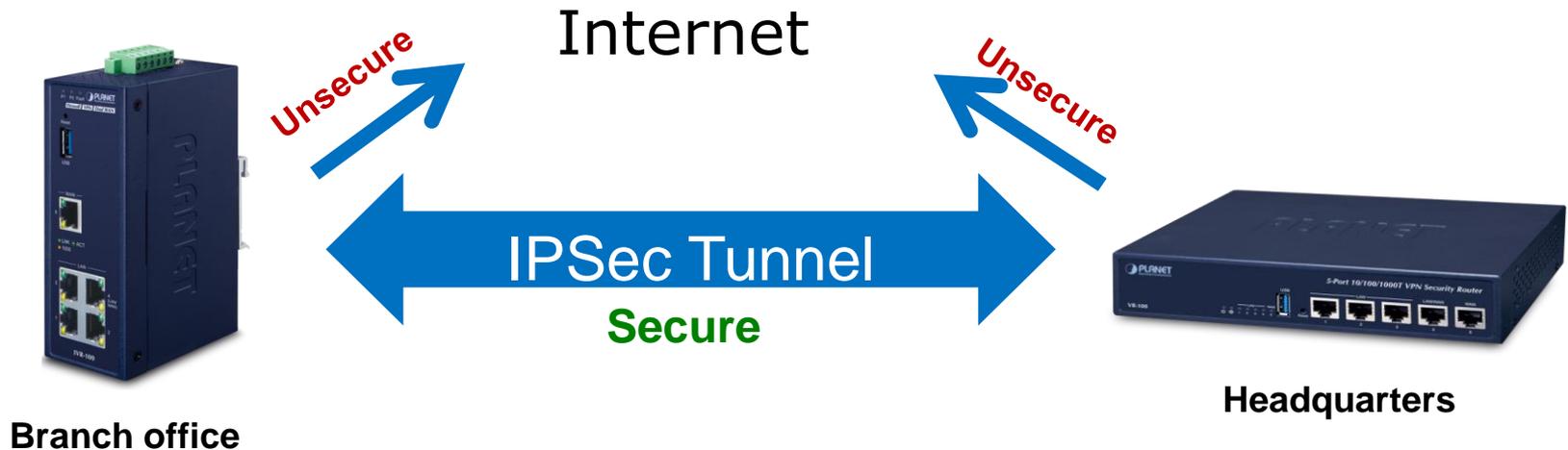
- ✓ With **IPSec/GRE/PPTP/L2TP/SSL** VPN server, the IVR-100 provides secure data communications to branches, vendors, and mobile workers with connection to the headquarters.



# Product Advantages

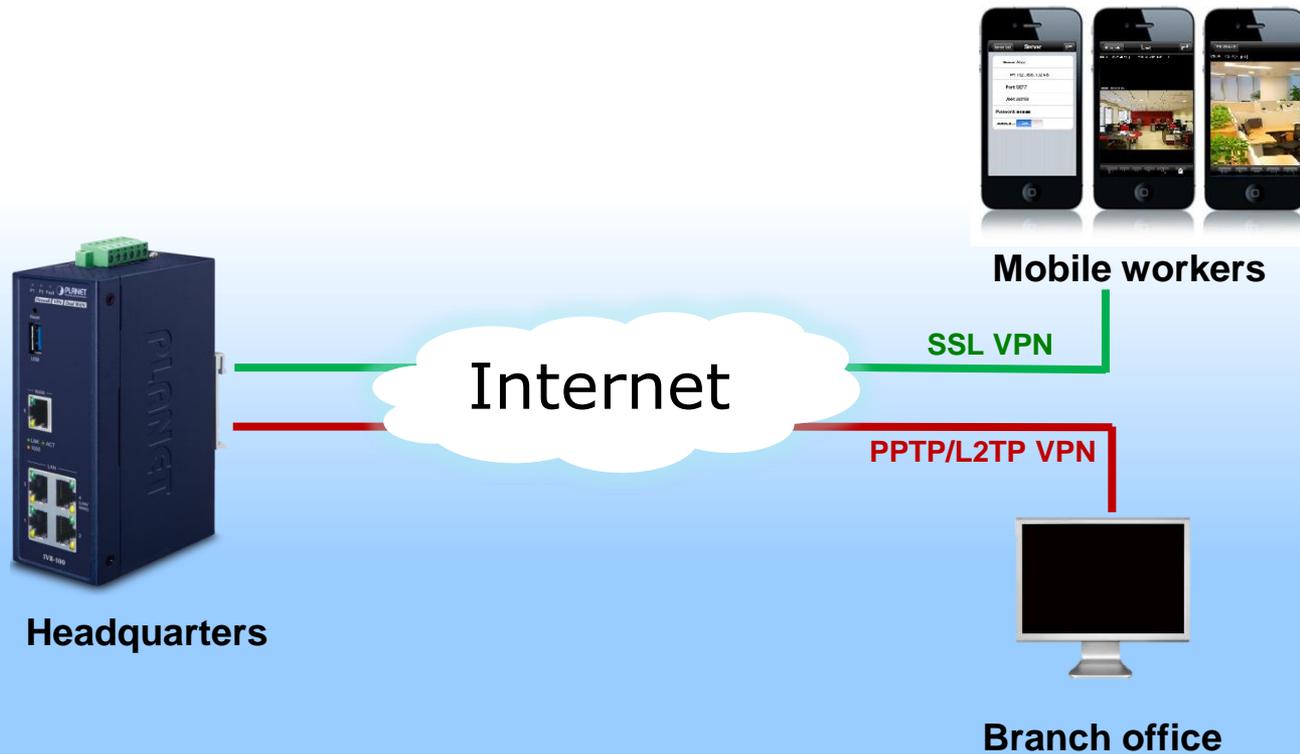
## ◆ IPsec VPN

- ✓ IPsec VPN uses tunneling to establish a private connection for the network traffic. It uses advanced encryption standard along with other technologies for data safety.



# Product Advantages

## ◆ PPTP/L2TP/SSL VPN



# Product Features

## ◆ Network

- ✓ **Outbound load balancing**
- ✓ **Failover for dual-WAN**
- ✓ **Cybersecurity**
- ✓ **PPPoE/Static IP/DHCP client for WAN**
- ✓ **QoS**
- ✓ **VLAN**
- ✓ **IGMP Proxy**
- ✓ **SNMP**
- ✓ **Port forwarding/DMZ function**
- ✓ **DHCP server/NTP client**
- ✓ **Planet DDNS/Planet EasyDDNS**

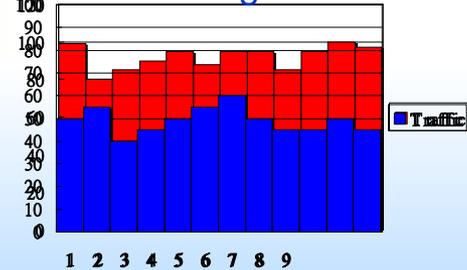
# Product Advantages



## ◆ Dual WAN for Internet traffic Load Balancing

- ✓ Distributes the outward sessions by the usage status of each WAN port.

WAN 1 loading without Load Balancing



Network Traffic Overloading

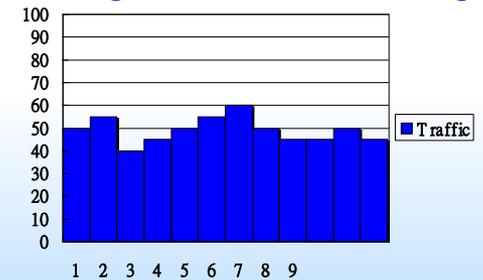


WAN 1

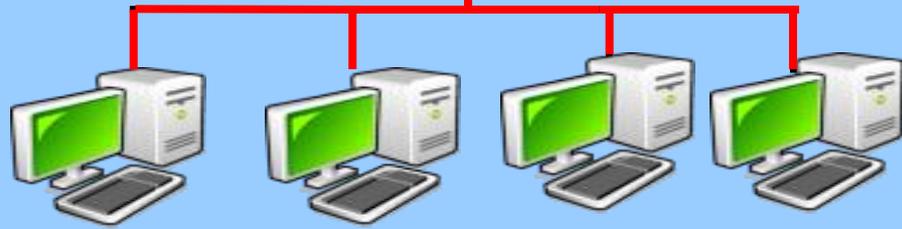
WAN 2



WAN 2 loading with Load Balancing



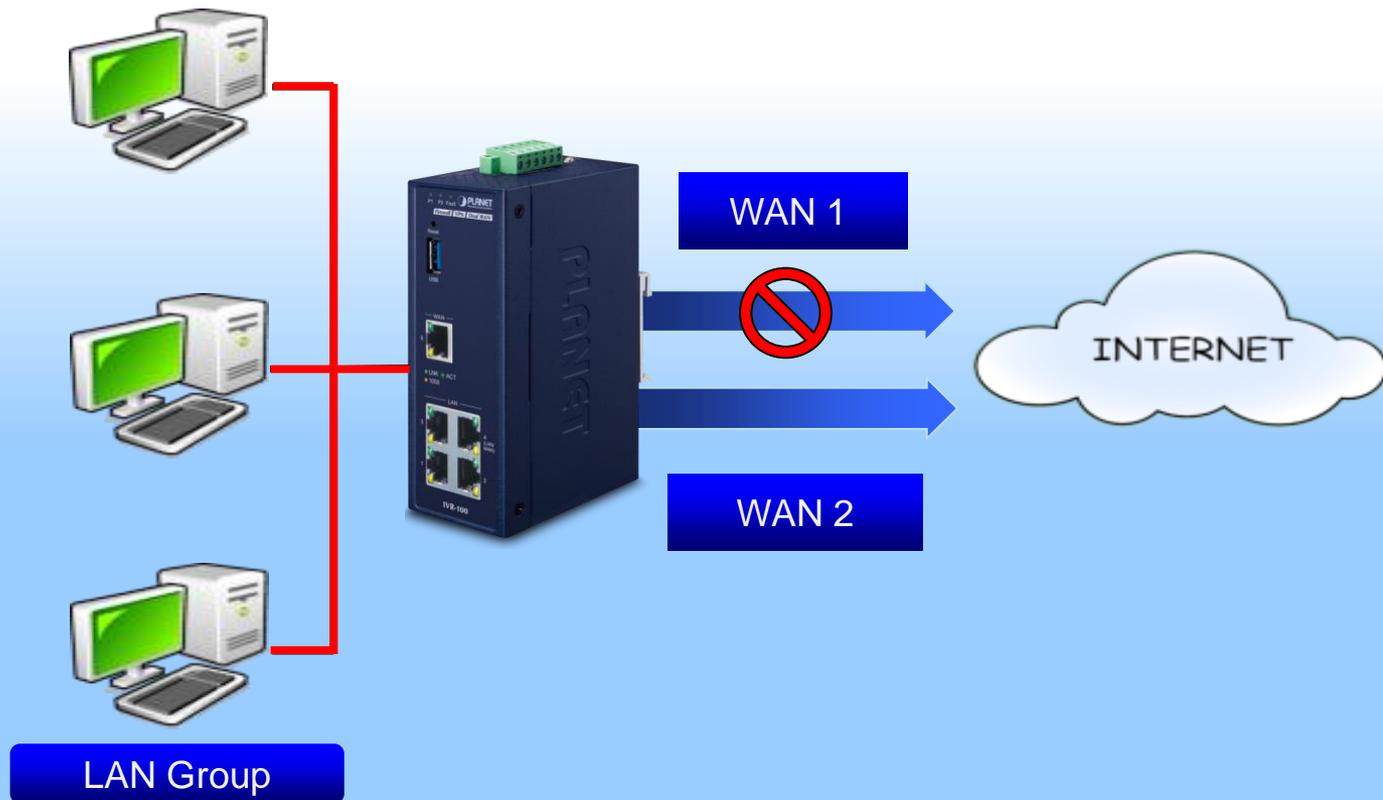
LAN Group



# Product Advantages

## ◆ Dual WAN for Internet Connection Failover

- ✓ Failover is the constant capability to automatically and seamlessly switch to the other backup WAN.



# Product Features

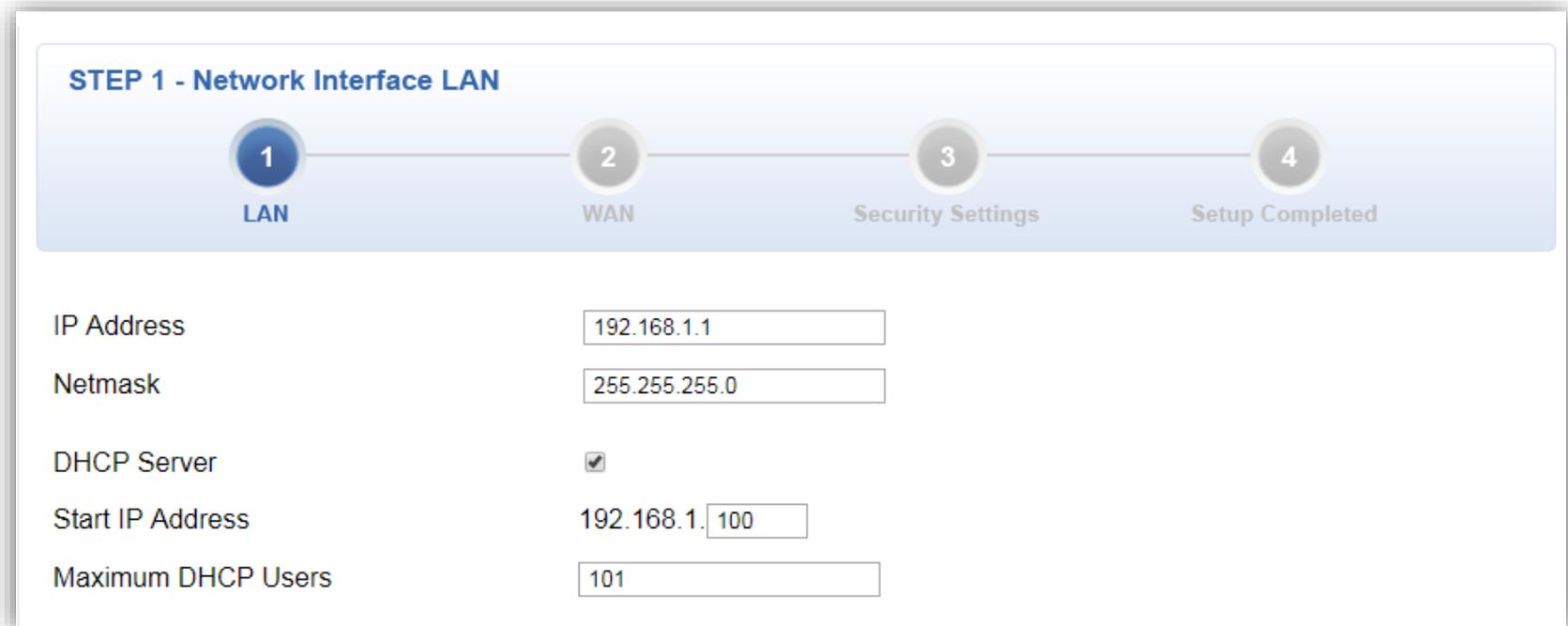
## ◆ Others

- ✓ Setup wizard
- ✓ Dashboard
- ✓ Supported access by HTTP or **HTTPS**
- ✓ Configuration backup and restoration via **USB 3.0 port**
- ✓ **Schedule reboot**
- ✓ Event message logging to **remote syslog server**
- ✓ **PLANET Smart Discovery Utility/UNI-NMS** supported

# Product Advantages

## ◆ Setup wizard

- ✓ The Wizard will guide the user to configuring VPN Security Router easily and quickly.



**STEP 1 - Network Interface LAN**

1 LAN — 2 WAN — 3 Security Settings — 4 Setup Completed

IP Address	<input type="text" value="192.168.1.1"/>
Netmask	<input type="text" value="255.255.255.0"/>
DHCP Server	<input checked="" type="checkbox"/>
Start IP Address	192.168.1. <input type="text" value="100"/>
Maximum DHCP Users	<input type="text" value="101"/>

# Product Advantages

## ◆ Dashboard

- ✓ The dashboard provides an overview of system information including connection, port, and system status.



### Port Status



### System Information



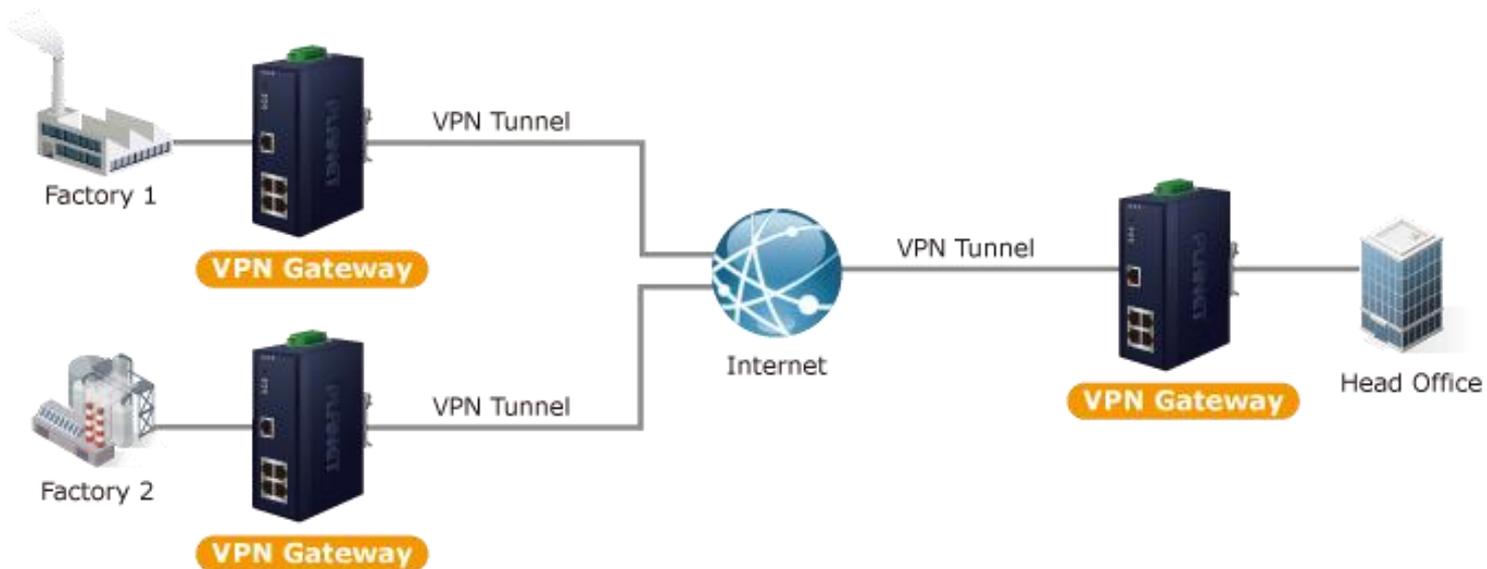
# Applications



# Applications

## ◆ Ideal VPN Security Router

- ✓ With VPN solutions, the IVR-100 provides secure data communications to branches, vendors, and mobile workers with connection to the headquarters.



# Comparison Table



# Comparison Table



Brand & Model	<b>PLANET IVR-100</b> 	<b>Moxa EDR-G902-T</b> 
GE RJ45 Ports	<b>5 (3 LANs + 2 WANs )</b>	<b>2 (1 LAN + 1 WAN)</b>
GE SFP Slot	-	<b>1 (1 WAN, Combo Port)</b>
USB Port	<b>1 USB3.0</b>	-
Outbound Load Balancing	<b>Yes</b>	-
802.1Q VLAN	<b>Yes</b>	<b>Yes</b>
VPN Throughput	<b>100 Mbps</b>	<b>60 Mbps</b>
Max. VPN Tunnels	<b>60</b>	<b>50</b>
GRE VPN	<b>Yes</b>	-
Power Supply	<b>Terminal block (9–48V DC)</b>	<b>Terminal block (12–48V DC)</b>

# Appendix



# Appendix Sales Targets

## ◆ Target Markets

- ✓ Industrial vertical market  
– factory, building, transportation, energy
- ✓ System integrator
- ✓ Tender market (public construction)
- ✓ SMB, hotel, hospital, bank, etc.



## ◆ Recommended Solutions

- ✓ CS-950, VR-100, ICG-2420G-LTE, VCG-1500WG-LTE, ICG-2510WG-LTE
- ✓ For space-limited environment.
- ✓ Customers need a secure router for industrial network.



# Appendix



◆ **Related VPN Network Security Products:**

<b>Model Name</b>		<b>Description</b>
<b>CS-950</b>		<b>UTM Content Security Gateway</b>
<b>VR-100</b>		<b>5-Port 10/100/1000T VPN Security Router</b>
<b>ICG-2420G-LTE</b>		<b>Industrial 4G LTE Cellular Gateway with 4-Port 10/100TX</b>
<b>ICG-2510WG-LTE</b>		<b>Vehicle 4G LTE Cellular Wireless Gateway with 5-Port 10/100TX</b>
<b>VCG-1500WG-LTE</b>		<b>Vehicle 4G LTE Cellular Wireless Gateway with 5-Port 10/100TX</b>

# Appendix

## ◆ Related **DIN-rail** Power Supplies

Model Name		Description
PWR-40-24		40W 24V DC Industrial DIN-rail Power Supply (Voltage Adj. Range: 24~30V)
PWR-75-48		75W 48V DC Industrial DIN-rail Power Supply (Voltage Adj. Range: 48~56V)



# ACTIVATING IP POWER