RP-G1510W

8-P Gigabit + 2-SFP (100/1G) slot Web smart Switch

RP-G1510W web smart+ managed GbE switch is the next-generation Ethernet switch offering powerful L2 features with better functionality and usability. That delivers the cost-effectively business and transports Ethernet services via fiber or copper connections.

RP-G1510W delivers 8 (10M/100M/1G) RJ45 ports and 2 GbE SFP ports. RP-G1510W provides high HW performance and environment flexibility for SMBs and Enterprises.

The embedded Device Managed System (DMS) features provide users with the benefits of easy-to-use/configure/install/troubleshoot in the video surveillance, wireless access, and other SMBs and Enterprises applications. RP-G1510W is ideal to deliver management simplicity, better user experience, and lowest total cost of ownership.

Features

- L2+ features provide better manageability, security, QoS, and performance.
- Support IPv4/IPv6 dual stack management
- Support SSH/SSL secured management
- Support SNMP v1/v2c
- Support RMON groups 1,2,3,9
- Support sFlow (option)
- Support IGMP v1/v2 Snooping
- Support MLD v1/v2 Snooping
- Support RADIUS and TACACS+ authentication
- Support IP Source Guard
- Support DHCP Relay (Option 82)
- Support DHCP Snooping
- Support 802.1d(STP), 802.1w(RSTP) and 802.1s(MSTP)
- Support LACP and static link aggregation
- Support Q-in-Q double tag VLAN
- Support GVRP dynamic VLAN
- IEEE 802.3az EEE Energy Efficient Ethernet standard for green Ethernet
- Fanless design
- Optional 19" Rack-mounted bracket

Specifications

Standards	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Ethernet • IEEE 802.3ab 1000Base-T Ethernet • IEEE 802.3z 1000Base-X Ethernet • IEEE 802.3x Flow Control capability • IEEE802.3az Energy Efficient Ethernet
Interface	• Port 1 to 8: RJ-45 10/100/1000Mbps, auto MDI/X • Port 9 to 10: SFP(100/1000Mbps) slot • Reset Button
Forwarding Capacity	• 14.88 Mpps
Switching Capacity	• 20 Gbps
Jumbo frames	• 9216 Bytes
MAC Table	• 8K MAC addresses
Layer 2 Switching	
Spanning Tree Protocol (STP)	• Standard Spanning Tree 802.1d • Rapid Spanning Tree (RSTP) 802.1w • Multiple Spanning Tree (MSTP) 802.1s
Trunking	• Link Aggregation Control Protocol (LACP) IEEE 802.3ad • Static aggregation

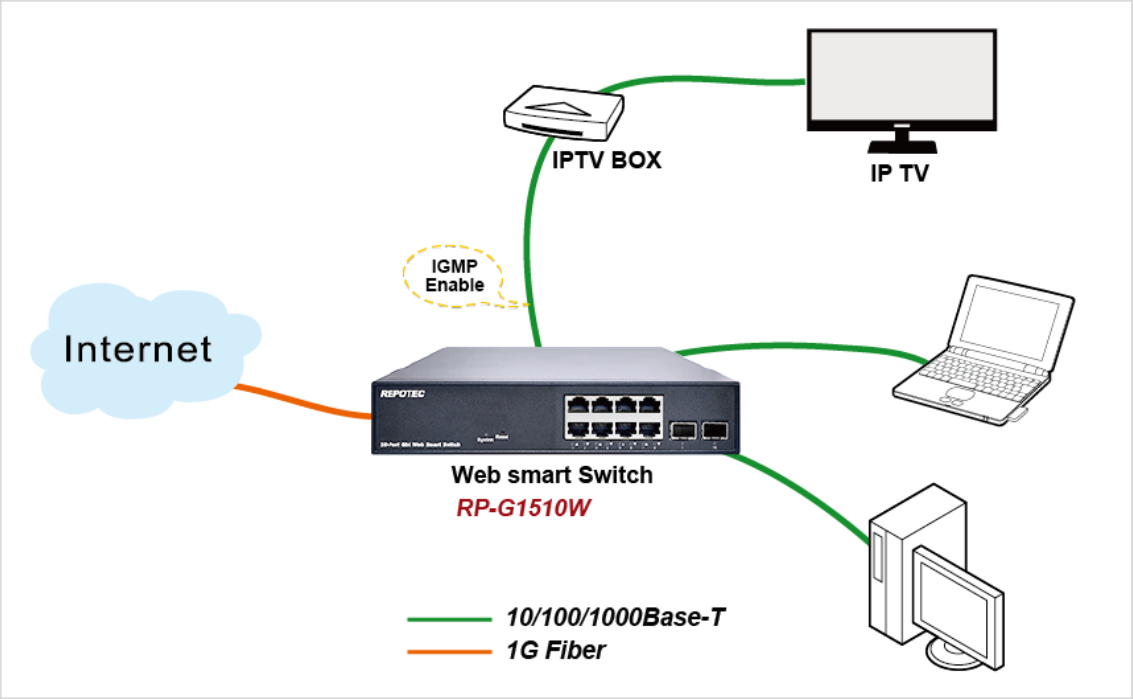
VLAN	• Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs)
	  ▪ Port-based VLAN
	  ▪ 802.1Q tag-based VLAN
	  ▪ Protocol based VLAN
	  ▪ IP subnet-based VLAN
	  ▪ Private VLAN Edge (PVE)
	  ▪ MAC-based VLAN
	  ▪ Q-in-Q (double tag) VLAN
	  ▪ Voice VLAN
	  ▪ GARP VLAN Registration Protocol (GVRP) (option)

DHCP Relay	• Relay of DHCP traffic to DHCP server in different VLAN. • Works with DHCP Option 82
IGMP snooping	• IGMP limits bandwidth-intensive multicast traffic to only the requesters • Supports 512 multicast groups
IGMP Querier	• IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	• IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router
MLD v1/v2 Snooping	• Delivers IPv6 multicast packets only to the required receivers
Multicast VLAN	• It uses a dedicated manually configured VLAN, called the multicast

Registration (MVR)	VLAN, to forward multicast traffic over Layer 2 network in conjunction with IGMP snooping
Security	
Secure Shell (SSH)	• SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL)	• SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch
IEEE 802.1X	• IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions • Supports IGMP-RADIUS based 802.1X • Dynamic VLAN assignment
Layer 2 Isolation Private VLAN Edge	• PVE (also known as protected ports) provides L2 isolation between clients in the same VLAN. Supports multiple uplinks
Port Security	• Locks MAC addresses to ports, and limits the number of learned MAC address
IP Source Guard	• Prevents illegal IP address from accessing to specific port in the switch
RADIUS/ TACACS+	• Supports RADIUS and TACACS+ authentication. Switch as a client
Storm control	• Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
DHCP Snooping	• A feature acts as a firewall between untrusted hosts and trusted DHCP servers
Loop Protection	• To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations
ACLs	• Supports up to 384 entries. Drop or rate limitation based on: ▪ Source and destination MAC, VLAN ID or IP address, protocol, port, ▪ Differentiated services code point (DSCP) / IP precedence ▪ TCP/ UDP source and destination ports ▪ 802.1p priority ▪ Ethernet type ▪ Internet Control Message Protocol (ICMP) packets ▪ TCP flag
Quality of Service	
Hardware Queue	• Support 8 hardware queues
Scheduling	• Strict priority and weighted round-robin (WRR) • Queue assignment based on DSCP and class of service
Classification	• Port based • 802.1p VLAN priority based
Rate Limiting	• Ingress policer • Egress shaping and rate control • Per port

Management	
Port mirroring	• Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported
IEEE 802.1ab (LLDP)	• Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network • Support LLDP-MED extensions
Web GUI Interface	• Built-in switch configuration utility for browser-based device configuration
Dual Image	• Independent primary and secondary images for backup while upgrading
UPnP	• The Universal Plug and Play Forum, an industry group of companies working to enable device-to-device interoperability by promoting Universal Plug and Play
DHCP Server	• Support DHCP server to assign IP to DHCP clients
Remote Monitoring (RMON)	• Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis
SNMP	• SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
Firmware Upgrade	• Web browser upgrade (HTTP/ HTTPs) and TFTP
NTP	• Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	• HTTP/HTTPs • DHCP Client/ DHCPv6 Client • Cable Diagnostics • Syslog • Telnet Client; SSH • IPv6 Management
Power Supply	• Internal Power supply 100~240VAC, 50/60 Hz
Environment	• Operating temperature: 0°C to 50°C • Storage Temperature: -20 to 70°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	• 220 x 44 x 134mm (WxHxD)
Certification	• FCC, CE

Application



Ordering information

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