

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.



Feature

- 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

Specification

Standards	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Port 1 to 8: RJ-45 10/100/1000Mbps, auto MDI/X ● Port 9 to 10: SFP(100/1000Mbps) slot ● Reset Button
Forwarding Capacity	<ul style="list-style-type: none"> ● 14.88 Mpps
Switching Capacity	<ul style="list-style-type: none"> ● 20 Gbps
Jumbo frames	<ul style="list-style-type: none"> ● 9216 Bytes
MAC Table	<ul style="list-style-type: none"> ● 8K MAC addresses
Layer 2 Switching	
Spanning Tree Protocol (STP)	<ul style="list-style-type: none"> ● Standard Spanning Tree 802.1d ● Rapid Spanning Tree (RSTP) 802.1w ● Multiple Spanning Tree (MSTP) 802.1s
Trunking	<ul style="list-style-type: none"> ● Link Aggregation Control Protocol (LACP) IEEE 802.3ad ● Static aggregation
VLAN	<ul style="list-style-type: none"> ● Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) <ul style="list-style-type: none"> ■ 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	<ul style="list-style-type: none"> ● Relay of DHCP traffic to DHCP server in different VLAN. ● Works with DHCP Option 82
IGMP snooping	<ul style="list-style-type: none"> ● IGMP limits bandwidth-intensive multicast traffic to only the requesters ● Supports 512 multicast groups
IGMP Querier	<ul style="list-style-type: none"> ● IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Delivers IPv6 multicast packets only to the required receivers
Multicast VLAN	<ul style="list-style-type: none"> ● 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)	<ul style="list-style-type: none"> ● SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL)	<ul style="list-style-type: none"> ● SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch
IEEE 802.1X	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● PVE (also known as protected ports) provides L2 isolation between clients in the same VLAN. Supports multiple uplinks
Port Security	<ul style="list-style-type: none"> ● Locks MAC addresses to ports, and limits the number of learned MAC address
IP Source Guard	<ul style="list-style-type: none"> ● Prevents illegal IP address from accessing to specific port in the switch
RADIUS/ TACACS+	<ul style="list-style-type: none"> ● Supports RADIUS and TACACS+ authentication. Switch as a client
Storm control	<ul style="list-style-type: none"> ● Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
DHCP Snooping	<ul style="list-style-type: none"> ● A feature acts as a firewall between untrusted hosts and trusted DHCP servers
Loop Protection	<ul style="list-style-type: none"> ● To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations
ACLs	<ul style="list-style-type: none"> ● Supports up to 384 entries. Drop or rate limitation based on: <ul style="list-style-type: none"> ■ 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	<ul style="list-style-type: none"> ● Support 8 hardware queues
Scheduling	<ul style="list-style-type: none"> ● Strict priority and weighted round-robin (WRR) ● Queue assignment based on DSCP and class of service
Classification	<ul style="list-style-type: none"> ● Port based ● 802.1p VLAN priority based
Rate Limiting	<ul style="list-style-type: none"> ● Ingress policer ● Egress shaping and rate control ● Per port

Management	
Port mirroring	<ul style="list-style-type: none"> ● 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)	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Built-in switch configuration utility for browser-based device configuration
Dual Image	<ul style="list-style-type: none"> ● Independent primary and secondary images for backup while upgrading
UPnP	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Support DHCP server to assign IP to DHCP clients
Remote Monitoring (RMON)	<ul style="list-style-type: none"> ● Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis
SNMP	<ul style="list-style-type: none"> ● SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
Firmware Upgrade	<ul style="list-style-type: none"> ● Web browser upgrade (HTTP/ HTTPs) and TFTP
NTP	<ul style="list-style-type: none"> ● Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	<ul style="list-style-type: none"> ● HTTP/HTTPs ● DHCP Client/ DHCPv6 Client ● Cable Diagnostics ● Syslog ● Telnet Client; SSH ● IPv6 Management
Power Supply	<ul style="list-style-type: none"> ● Internal Power supply 100~240VAC, 50/60 Hz
Environment	<ul style="list-style-type: none"> ● Operating temperature: 0°C to 50°C ● Storage Temperature: -20 to 70°C ● Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none"> ● 220 x 44 x 134mm (WxHxD)
Certification	<ul style="list-style-type: none"> ● FCC, CE

Ordering information

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