RP-G1802I+

16-P 1000T + 2-SFP(100/1G) slot L2+ Managed Switch

RP-G1802I+ is a cost efficient and high-performance L2 Ethernet management switch - 16* 10/100/1000Mbps TX ports and 2* SFP ports are supported. This switch supports remote management by SNMP, Http and Telnet interfaces, and local management by console interface. RP-G1802I+ supports lots of L2 switch management functions, e.g. 802.1Q VLAN, 802.1x Port Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, QoS functions, ... etc. Auto-MDIX function is supported for every TX port of the switch for easy cable connection.

Features

- CISCO-like command line interface
- IPv6 management ☐
- 8 priority queues are supported on each port for QoS application ☐
- Port-based VLAN, 802.1Q VLAN and Private VLAN ☐
- Protected port and LoopBack Detection function ☐
- Q-in-Q(double tagging) function ☐
- IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions
- Static Mac address access limit and Dynamic Mac address number on port ☐
- IEEE802.1d & 802.1w & 802.1s
- IP Multicast with IGMP snooping / query / fast leave / filtering /group limited /MVR
- DHCP Client / DHCP Option 82 Relay / DHCP Snooping function
- ACL function for L2 ~ L4 packet control ☐
- Ingress/Egress rate control on port ☐
- Broadcast/Multicast/Unicast storm control ☐
- ARP inspection / IP source guard ☐
- RMON 1,2,3,9 ☐
- SFP Transceiver DDMI function((Phase 2)) / Dual Speed SFP Ports(100/1000Mbps)
- Remote port configuration setting and statistics monitoring ☐
- Text configuration download and upload
- IEEE 802.3az power management / FANless / Green Ethernet

Specifications

Standards	• IEEE802.3(10BaseT Ethernet), IEEE802.3u(100Base Fast Ethernet), • IEEE802.3ab(1000BaseT), IEEE802.3z(1000Base),IEEE802.3x • IEEE802.1D, IEEE802.1w, IEEE802.1P, IEEE802.1Q, IEEE802.1x • IEEE802.3ad, EEE802.1ad • IEEE802.3az Energy Efficient Ethernet
Interface	• 16* RJ45 ports, with 10/100/1000Mbps, Full/Half duplex auto-negotiation and Auto-MDIX and Force MDI/MDIX function • 2* 100/1G SFP Slot, Port 17, Port 18
Console Port	• DB9 console port
CPU	• 416MHz MIPS 24KEc CPU as the main processor which integrated on switch controller
Memory	• Flash: SPI 16MB / RAM: DDRII 128MB
Packet Buffer	• 512K Bytes
Mac Table Size	• 8K
Max Packet Size	• 9600 Bytes
Switching capability	• 14880pps at 10Mbps • 148810pps at 100Mbps • 1488095pps at 1Gbps with 64 bytes packets
Switch capacity	• 36Gbps
Forwarding Rate	• 26.7Mpps
Port Control	• Port speed, duplex mode, and flow control • Port frame size (jumbo frames), Maximum ingress frame size (9600 bytes) • Port state (administrative status) • Port status (link monitoring) • Port statistics (MIB counters) • Port VeriPHY (cable diagnostics) • Power Control
L2 Switching	• Auto MAC address learning/aging and MAC addresses (static) • IEEE 802.1Q static VLAN, Private VLAN, Port isolation, Port Based VLAN • IEEE 802.1ad Provider Bridge • IEEE 802.1D STP/802.1w RSTP/802.1s MSTP • IEEE 802.3ad Link Aggregation, static and LACP • BPDU guard and restricted role, BPDU transparency • DHCP client, DHCP snooping, DHCP option 82 relay • ARP inspection • Port mirroring • IP MAC binding
Layer 2 Multicast	• IGMPv2, v3 snooping, (1024 groups) • IGMP throttling, filtering, and leave proxy • MVR
QoS	• 8 Priority Queues per Port • Port Based priority • Scheduler priority • QoS Control List

	• Storm control for UC, MC, and BC • Policing and shaping per port and per queue • Ingress Policing:(100-1000000 when the "Unit" is "kbps" or "fps" and 1-3300 when the "Unit" is "Mbps" or "kfps") • Egress Shaping:(100-1000000 when the "Unit" is "kbps", and 1-3300 when the "Unit" is "Mbps".) • DiffServ (RF 2474) remarking • Tag remarking
Security	• Port-based 802.1X, Single 802.1X, Multiple 802.1X • MAC-based authentication, VLAN assignment, QoS assignment • Guest VLAN • RADIUS accounting • MAC address limit • TACACS+ • Web and CLI authentication and authorization • Authorization (15 levels) • ACLs for filtering(256 entries), policing, and port copy • IP source guard
Synchronization	• NTPv4 Client
Power Saving	• ActiPHY, PerfectReach • Ethernet Energy Efficient power management(EEE)
SFP DDMI	• Yes (Phase 2)
Management	• HTTP server • CLI console port • Telnet • Management access filtering • SSHv2 and HTTPS • IPv6 Management • System Syslog • Software download through Web • SNMPv1/v2c/v3 Agent • RMON Group 1, 2, 3, and 9 • IEEE 802.1AB-2005 Link Layer Discovery, LLDP • Text Configuration download or upload • sFlow
LED Indicators	• Power (Green) • System(Green) • Link / Act: 1000Mbps (Green); 10/100Mbps (Amber)
Power Consumption	• 14 Watt Max.
Power Supply	• Internal Power supply 100~240VAC, 50/60 Hz
Environment	• Operating temperature: 0°C to 50°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	• 250 * 117 * 37 mm
Certification	• FCC, CE

Ordering information

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