

RP-GS2024IB

20-P SFP(100/1G) + 4-TP/SFP combo L2+ Managed Switch



RP-GS2024IB is a cost efficient and high-performance L2+ Ethernet management switch - 20-port (100/1G) SFP+ 4-Port SFP/RJ45 combo are supported. This switch supports remote management by SNMP, Http and Telnet interfaces, and local management by console interface. RP-GS2024IB supports lots of L2 switch management functions, e.g. 802.1Q VLAN, 802.1x Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, QoS functions, ... etc.

Features

- 20 x SFP ports, support 100Base FX or 1000Base-X
- 4 x RJ45/SFP(100/1G) ports, auto-detect RJ45/SFP connection
- IPv6 management
- IPv4 Static routing
- 8 priority queues are supported on each port for QoS application
- Protected Port and Loop Back Detection 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
- ARP inspection / IP source guard
- SFP Transceiver DDMI function
- Remote port configuration setting and statistics monitoring
- Text configuration download and upload

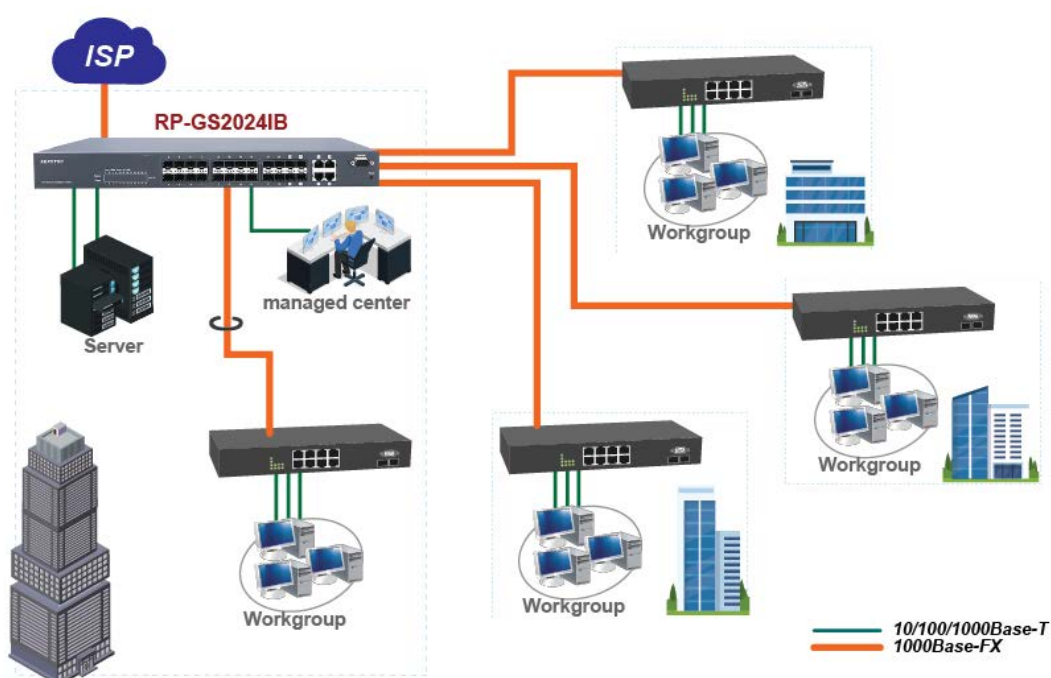
Specifications

Standards	<ul style="list-style-type: none"> • 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, IEEE802.1ad
Interface	<ul style="list-style-type: none"> • Port1-24: 100/1G SFP Port • Port21-24: SFP/UTP Combo Port
Console Port	<ul style="list-style-type: none"> • DB9 console port
CPU	<ul style="list-style-type: none"> • 500MHz MIPS 24KEc CPU as the main processor which integrated on switch controller
Packet Buffer	<ul style="list-style-type: none"> • 16Mb
Mac Table Size	<ul style="list-style-type: none"> • 32K
Max Packet Size	<ul style="list-style-type: none"> • 10056 Bytes
Switching capability	<ul style="list-style-type: none"> • 14880pps at 10Mbps • 148810pps at 100Mbps • 1488095pps at 1Gbps with 64 bytes packets
Switch capacity	<ul style="list-style-type: none"> • 48Gbps
Forwarding Rate	<ul style="list-style-type: none"> • 35.7Mpps
Port Control	<ul style="list-style-type: none"> • Port speed, duplex mode, and flow control • Port Auto MDI/MDI-X • Port frame size (jumbo frames), Maximum ingress frame size (10056 bytes) • Port state (administrative status) • Port status (link monitoring) • Port statistics (MIB counters) • Priority-based flow control (PFC)
L2 Switching	<ul style="list-style-type: none"> • Auto MAC address learning/aging and MAC addresses (static) • DHCP snooping • ARP inspection • Port Mirroring • Flow mirroring
L3 Switching	<ul style="list-style-type: none"> • DHCP option 82 relay • IPv4 Unicast: Static routing
VLANs	<ul style="list-style-type: none"> • IEEE 802.1Q static VLAN(4096 entries Max.), Voice VLAN, Port isolation, Private VLAN Static, MAC based VLAN, Protocol based VLAN, IP subnet based VLAN
Spanning Tree	<ul style="list-style-type: none"> • IEEE 802.1s MSTP(Multiple spanning tree) • IEEE 802.1w RSTP(Rapid spanning tree) • IEEE 802.1D STP(Spanning tree) • BPDU Guard & Restricted Role • Error Disable Recovery
Link Aggregation	<ul style="list-style-type: none"> • Static and LACP
IP Multicast	<ul style="list-style-type: none"> • IGMP v2 and v3 snooping • MLD v1 snooping

	<ul style="list-style-type: none"> ● IGMP filtering profile ● IPMC throttling, filtering, leave proxy ● MVR and MVR profile
QoS	<ul style="list-style-type: none"> ● Traffic Classes (8 active priorities) ● Port Default Priority, User Priority, ● Input priority mapping ● QoS Control List (QCL Mode) ● Storm Control for UC, BC and Unknown ● Port policers ● Global/VCAP (ACL) policers ● Port egress shaper ● Queue egress shapers ● DiffServ (RFC2474) remarking ● Tag remarking ● Scheduler mode
Security	<ul style="list-style-type: none"> ● Port-Based 802.1X, Single 802.1X, Multiple 802.1X, ● MAC-Based Authentication ● VLAN Assignment , QoS Assignment, Guest VLAN ● RADIUS Accounting ● MAC Address Limit ● IP MAC binding, IP/MAC binding dynamic to static ● TACACS+ ● Web & CLI Authentication ● Authorization (15 user levels) ● ACLs for filtering/policing/port copy ● IP source guard
Synchronization	<ul style="list-style-type: none"> ● NTPv4 Client
SFP DDMI	<ul style="list-style-type: none"> ● Support
Management	<ul style="list-style-type: none"> ● DHCP Client, ● DNS client, proxy ● HTTP Server ● CLI - Console Port & Telnet ● Text Configuration download or upload ● Management access filtering ● HTTPS ● SSHv2 ● IPv6 Management ● System Syslog ● Software Upload via web ● SNMP v1 / v2c / v3 Agent ● RMON (Group 1, 2, 3 & 9) ● RMON alarm and event(CLI,web) ● SNMP multiple trap destinations ● IEEE 802.1AB-2005 Link Layer Discovery LLDP ● Cisco Discovery filtering - CDP ● sFlow

	<ul style="list-style-type: none"> ● Daylight Saving
LED Indicators	<ul style="list-style-type: none"> ● Per Port : Link/Act (Green: 1000Mbps, Amber:10/100Mbps) ● Per Device : Power and System
Power Consumption	<ul style="list-style-type: none"> ● < 45 Watt
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 ~ 50°C ● Storage Temperature: -25 ~ 70°C ● Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none"> ● 440 x 172 x 44 mm (WxDxH)
Certification	<ul style="list-style-type: none"> ● FCC, CE

Application



Ordering Information

RP-GS2024IB 20-P SFP(100/1G) + 4-SFP/TP combo L2+ Managed Switch

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