RP-G2602IX

24-P Gigabit + 2-SFP+ (1G/10G) L2+ Managed Switch

RP-G2602IX is a 26-port Managed Gigabit Switch which delivers 24 (10M/100M/1G) RJ45 ports, 2-SFP+ (1G/10G) slot and DB9 console port.

RP-G2602IX supports remote management by SNMP, Http and Telnet interfaces, and local management by console interface. It offers full suite of comprehensive Layer 2 switching capabilities such as 802.1Q VLAN, 802.1x Port Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, QoS functions. The switch provides the ideal combination of affordability and capabilities for small- and medium-size businesses to build high-performance network efficiently.

RP-G2602IX equips 2 10GbE connectivity, with 10GbE uplink, the switch can handle extremely large amounts of data in a secure topology connecting to an enterprise backbone or high capacity servers. RP-G2602IX complies with 802.3az power-saving functions for better energy efficiency.
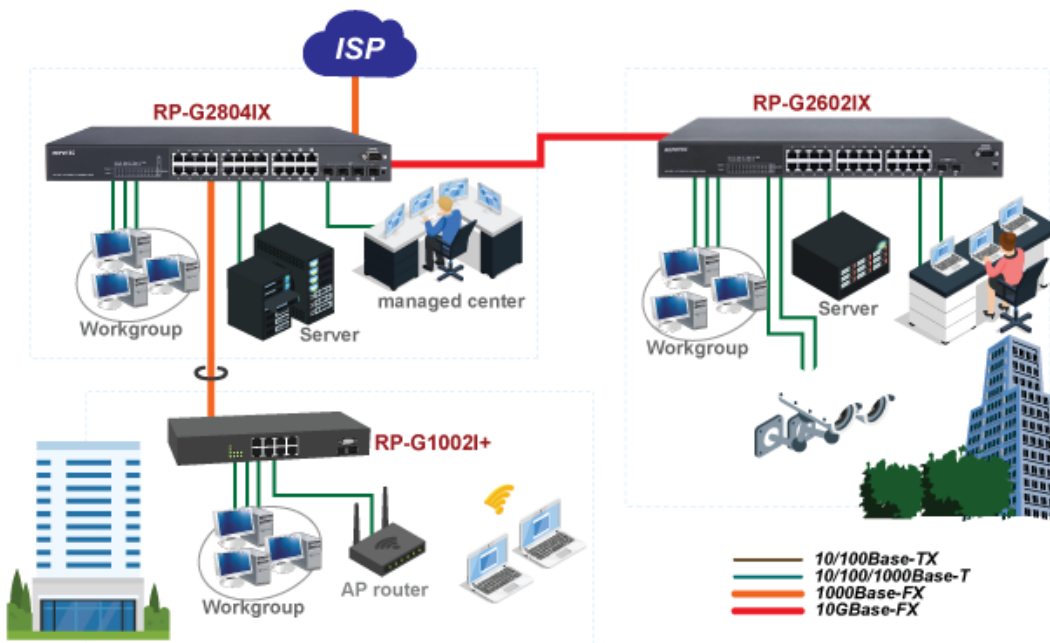
Features

- out-band console and in-band SNMP/Http/Https/Telnet management interface
- IPv4/IPv6 management
- 8 priority queues are supported on each port for QoS application
- Port-based VLAN, 802.1Q VLAN and Voice 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
- Remote port configuration setting and statistics monitoring
- Text configuration download and upload

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	• Port1-24: 24* RJ45 ports, with 10/100/1000Mbps, Full/Half duplex auto-negotiation and Auto-MDIX and Force MDI/MDIX function • Port25-26: 1G/10G SFP+ slots
Console Port	• DB9 console port
Memory	• Flash: SPI 16M Bytes , RAM:DDRII 128M Bytes
Packet Buffer	• 2M Bytes
MAC Table Size	• 16K
Max Packet Size	• 10K Bytes
Switch capacity	• 88Gbps
Forwarding Rate	• 65.472Mpps
Port Control	• 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)
L2 Switching	• Auto MAC address learning/aging and MAC addresses (static) • DHCP snooping • ARP inspection • Port Mirroring • Flow mirroring
L3 Switching	• DHCP option 82 relay • IPv4 Unicast: Static routing
VLANs	• 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	• 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	• Static and LACP • 14 groups Max. and 8 ports per group
IP Multicast	• IGMP v1, v2 and v3 snooping(1024 multicats groups) • MLD v1 snooping • IGMP filtering profile • IPMC throttling, filtering, leave proxy • MVR and MVR profile

QoS	- 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	- 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	NTPv4 Client
Management	- 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 - Daylight Saving
SFP DDMI	Support
LED Indicators	- Per Port: Link/Act, Green: 1000Mbps ; Yellow: 10/100Mbps - Per Device : Power, System
Power Consumption	35 Watt Max.
Power Supply	Internal Power supply 100~240VAC, 50/60 Hz
Environment	- Operating Temperature: 0°C to 50°C - Storage Temperature: -20 ~ 70℃ - Humidity: 10% to 90% (Non-Condensing)
Dimension	440 * 44 * 172 mm (WxHxD)
Certification	FCC, CE

Application

10/100Base-TX
10/100/1000Base-T
1000Base-FX
10GBase-FX

Ordering information

RP-G2602IX   24-P Gigabit + 2-SFP+(1G/10G) L2+ Managed Switch