

## RTL9303/RTL9313 8 port Base-R 2.5G/10G Ethernet switch Layer 3 SFP+ managed Ethernet switch

As well-known semiconductor manufacturers (RTL) managed switch field at present, the only designated official partner our development team has accumulated rich software and hardware development experience and ability, to meet the current 5 G/G WIFI 6/2.5 GPON access layer more businesses such as the demand for bandwidth, based on RTL93XX series chip solutions, we offer high ratio of 2.5 G / 5 G / 10 G switch overall solutions and one-stop Turn - key custom development service mode, to facilitate customers quickly launch its own cost-effective 10G switch products.

8-12 port 2.5G,4-12 port 10G Combo Base-R and SPF+

P/N	RTL9303	RTL9313
MAC	8 port 10G	12 port 10G
Switch capacity	160Gbps	240Gbps
10G ports	8	12
2.5G Base-T	8(option)	12
Typical product form	8 port 2.5G Base-T /8-port 10G Base-R	12 port 10G Base-R /12 port 10G SFP+
CPU	800Mhz MIPS	1Ghz MIPS
size	BGA533,23x23(mm)	BGA673 ,27x27(mm)
competitor	No	No
DEMO	IG93/IG97	IG120

### Advantage compare to Broadcom and Marvell:

- \* Flexible port configuration from 1G to 10G;
- \* Lower power consumption and Lower cost in the same grade;
- \* Lite L3 to full managed;

### Layer 3 10G switch Turn-key Customized service

Hardware Develop	Standard	24+4 /48+4/48+6/BASE-R 10G/BASE-R 2.5G/SFP+ 10G
	General Peripherals management	POE(PSE),Fan control,Managed SFP+,DI/DO

	Specific function	Cascading stack,special customize
Software Develop	Basic function	Function list
	OEM customize	logo/web color/model name etc
	s/w customize	DHCP server/stacking / clustering/RIP/OSPF/POE watch-dog
	Advance s/w develop	Dynamic Routing Protocol

### Basic Function list

MAC Address Table
Jumbo Frame
Flow Control
Spanning Tree
Links Converge
VLAN
Voice VLAN
VLAN Stack
GVRP
L2 Multicast
IGMP Snooping
MLD Snooping
DHCP Client, DHCP snooping,
QOS
Grade of Service(CoS mapping, based on Ports/vlan Priority/DSCP/ToS)
Speed Control(Based on port access direction)
ACL
Authentication Function
Safety Protection(Port Security/Port Isolation/Storm Suppression)
Attack Defense(CPU Defend/DOS Defend/DHCP Snooping/IP Bonding)
Ipv6 Manage Connection

System Management
LLDP
System Diagnostic Maintenance
(Port Mirroring/Log Record/System Utilization/SFP(1G/10G) DDM)
ERPS
Static Routing
Active Ethernet(PoE), PoE Power Supply Management, PoE Device Watch-Dog
Flexible Customization Service



### Special Turn-key Service

Turn-key service	Original design file	SCH file(DSN/PDF), customized board PCB file
	Technical support	Hardware and software function introduce Demo user manual Full Chip-level engineer support
	Prototypes and L/T	During 60 days and offer 3pcs prototype samples
	Custom Design file	SCH/PCB/Gerber/BOM/Program bin file
	Production support	chip supply, Software burning, Demo testing