

PHY 产品选型表

芯片型号	速率	端口数	MAC接口模式	MAC接口支持电压	铜口	光口	模式	温度	封装	尺寸	管脚兼容替换	功能替换
JL1101-N032C	10/100M	1	MII/RMII	3.3V/2.5V/1.8V	100Base-TX/10Base-T	NA	MII to Copper RMII to Copper	0-70c	QFN32-EPAD	5*5mm	RTL8201F	IP101
JL1111-N032I	10/100M	1	MII/RMII	3.3V/2.5V/1.8V	100Base-TX/10Base-T	NA	MII to Copper RMII to Copper	-40-85c	QFN32-EPAD	5*5mm	RTL8201F(I)	KSZ8081/DP83848
JL1111-N032E	10/100M	1	MII/RMII	3.3V/2.5V/1.8V	100Base-TX/10Base-T	NA	MII to Copper RMII to Copper	-40-105c	QFN32-EPAD	5*5mm	RTL8201F(I)	
JL1101-N024I	10/100M	1	RMII	3.3V/2.5V	100Base-TX/10Base-T	NA	RMII to Copper	-40-85c	QFN24-EPAD	4*4mm	RTL8201FR	IP101
JL2101B-N040C	10/100/1000M	1	RGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	NA	RGMII to Copper	0-70c	QFN40-EPAD	5*5mm	RTL8211F	88E1518, 88E1510, BCM54210, BCM54213, LAN8820, BCM54612E, DP83867CR
JL2101DB-N040C	10/100/1000M	1	RGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	NA	RGMII to Copper	0-70c	QFN40-EPAD	5*5mm	RTL8211FD	
JL2121-N040I	10/100/1000M	1	RGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	NA	RGMII to Copper	-40-85c	QFN40-EPAD	5*5mm	RTL8211F(I)	
JL2121-N040E	10/100/1000M	1	RGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	NA	RGMII to Copper	-40-105c	QFN40-EPAD	5*5mm	RTL8211F(I)	
JL2121D-N040I	10/100/1000M	1	RGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	NA	RGMII to Copper	-40-85c	QFN40-EPAD	5*5mm	RTL8211FD(I)	
JL2201-N048C	10/100/1000M	1	RGMII/SGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	1000Base-X	RGMII to Copper / RGMII to Fiber / RGMII to Copper or Fiber Combo / SGMII to Copper / SGMII to RGMII	0-70c	QFN48-EPAD	6*6mm	RTL8211FS	AR8035, 88E1512, 88E1112, 88E1113, 88E1116R, BCM54210S, DP83867RS/CS, VSC8531
JL2201-N048I	10/100/1000M	1	RGMII/SGMII	3.3V/2.5/1.8V	1000Base-T/100Base-TX/10Base-T	1000Base-X	RGMII to Copper / RGMII to Fiber / RGMII to Copper or Fiber Combo / SGMII to Copper / SGMII to RGMII	-40-85c	QFN48-EPAD	6*6mm	RTL8211FS	

Note: 1. 以上单口PHY均支持3.3V单路供电

百兆 Switch 产品选型表

芯片型号	速率	端口数	接口模式	MAC接口电压	外供电电压	铜口	温度	封装	尺寸	管脚兼容替换	功能替换
JL5104C-NC	10/100M	3+1	RMII	3.3V	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN48-EPAD	6*6mm	RTL8304MB	IP175L
JL5104C-NI	10/100M	3+1	RMII	3.3V	3.3V(1.1V) ¹	100Base-TX/10Base-T	-40-85c	QFN48-EPAD	6*6mm	RTL8304MB	
JL5105C-NC	10/100M	5	NA	NA	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN48-EPAD	6*6mm	RTL8305NB	88E6070, IP175G
JL5105C-NI	10/100M	5	NA	NA	3.3V(1.1V) ¹	100Base-TX/10Base-T	-40-85c	QFN48-EPAD	6*6mm	RTL8305NB	
JL5106C-NC	10/100M	5+1	MII/RMII	3.3V	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN64-EPAD	9*9mm	RTL8306MB	88E606x, IP175D
JL5108C-NC	10/100M	8	NA	NA	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN64-EPAD	9*9mm	RTL8309N	IP178G
JL5108C-NI	10/100M	8	NA	NA	3.3V(1.1V) ¹	100Base-TX/10Base-T	-40-85c	QFN64-EPAD	9*9mm	RTL8309N	
JL5109C-NC	10/100M	8+1	MII/RMII	3.3V	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN88-EPAD	10*10mm	RTL8309M	IP179
JL5110C-NC	10/100M	8+2	MII/RMII	3.3V	3.3V(1.1V) ¹	100Base-TX/10Base-T	0-70c	QFN88-EPAD	10*10mm	NA	88E608x

Note: 1. 1.1V可以外供也可以由3.3V经芯片内部的LDO或者Buck生成

千兆 Switch 产品选型表

芯片型号	速率	端口数	接口模式	MAC接口电压	外供电电压	铜口	光口	温度	封装	尺寸	管脚兼容替换	功能替换
JL6108-PC	10/100/1000M	8	NA	NA	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	NA	0-70c	LQFP128-EPAD	20*14mm	RTL8370N	EN8851
JL6110-PC	10/100/1000M	8+2	H-SGMII/SGMII/RGMII/MII/RMII	3.3V	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	1000Base-X	0-70c	TQFP176-EPAD	20*20mm	RTL8370MB	88E6390, BCM53118, BCM53128, EN8851C
JL6110-PI	10/100/1000M	8+2	H-SGMII/SGMII/RGMII/MII/RMII	3.3V	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	1000Base-X	-40-85c	TQFP176-EPAD	20*20mm	RTL8370MB	
JL6105-NC	10/100/1000M	5	NA	NA	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	NA	0-70c	QFN88-EPAD	10*10mm	RTL8367N	
JL6107-PC	10/100/1000M	5+2	RGMII/MII/RMII	3.3V/2.5V/1.8V	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	NA	0-70c	LQFP128-EPAD	16*14mm	RTL8367RB	88E6352/88E617x, BCM53125
JL6107-PI	10/100/1000M	5+2	RGMII/MII/RMII	3.3V/2.5V/1.8V	3.3V/1.1V	1000Base-T/100Base-TX/10Base-T	NA	-40-85c	LQFP128-EPAD	16*14mm	RTL8367RB	QCA8075/IPQ8075, MT7531/EN8850
JL6107S-PC	10/100/1000M	5+2	H-SGMII/SGMII/RGMII/MII/RMII	3.3V/2.5V/1.8V	3.3V(1.1V) ¹	1000Base-T/100Base-TX/10Base-T	1000Base-X	0-70c	LQFP128	16*14mm	RTL8367S	88E6352/88E617x/88E6341, BCM53134, RTL8366SD, QCA8075/IPQ8075, MT7531/EN8850
JL6107SC-PC	10/100/1000M	5+2	H-SGMII/SGMII/RGMII/MII/RMII	3.3V/2.5V/1.8V	3.3V(1.1V) ¹	1000Base-T/100Base-TX/10Base-T	1000Base-X	0-70c	LQFP128-EPAD	16*14mm	RTL8367SC	88E6352/88E617x, RTL8366SD, BCM53134
JL6107SC-PI	10/100/1000M	5+2	H-SGMII/SGMII/RGMII/MII/RMII	3.3V/2.5V/1.8V	3.3V(1.1V) ¹	1000Base-T/100Base-TX/10Base-T	1000Base-X	-40-85c	LQFP128-EPAD	16*14mm	RTL8367SC	QCA8075/IPQ8075, MT7531/EN8850

Note: 1. 1.1V可以外供也可以由3.3V经芯片内部的LDO或者Buck生成

抽样产品

芯片型号	速率	端口数	MAC接口模式	铜口	光口	模式	温度	封装	尺寸	管脚兼容替换	功能替换
JL2308-PC	10/100/1000M	8	QSGMII/OUSGMII	1000Base-T/100Base-TX/10Base-T	NA	NA	0-70c	LQFP128-EPAD	20*14mm	RTL8218E, YT8618	RTL8218系列/88E168x/88E178x/BCM5419x/ BCM5418x/BCM5428x/CTC21108
JL2308-PI	10/100/1000M	8	QSGMII/OUSGMII	1000Base-T/100Base-TX/10Base-T	NA	NA	-40-85c	LQFP128-EPAD	20*14mm	RTL8218E, YT8618	RTL8218系列/88E168x/88E178x/BCM5419x/ BCM5418x/BCM5428x/CTC21108
JL2388-PC	10/100/1000M	8	QSGMII/OUSGMII	1000Base-T/100Base-TX/10Base-T	NA	NA	0-70c	LQFP128-EPAD	20*14mm	88E168x	RTL8218系列/88E178x/BCM5419x/ BCM5418x/BCM5428x/YT8618/CTC21108
JL2388-PI	10/100/1000M	8	QSGMII/OUSGMII	1000Base-T/100Base-TX/10Base-T	NA	NA	-40-85c	LQFP128-EPAD	20*14mm	88E168x	RTL8218系列/88E178x/BCM5419x/ BCM5418x/BCM5428x/YT8618/CTC21108
JL4201-NC	10/100/1000/2500M	1	H-SGMII/SGMII/2500Base-X	2500Base-T/1000Base-T/100Base-TX/10Base-Te	NA	NA	0-70c	QFN48-EPAD	6*6mm	RTL8221, YT8821	RTL8221系列/AQR115C/BCM54991系列/ GPY21x/QCA8081
JL4201-NI	10/100/1000/2500M	1	H-SGMII/SGMII/2500Base-X	2500Base-T/1000Base-T/100Base-TX/10Base-Te	NA	NA	-40-85c	QFN48-EPAD	6*6mm	RTL8221, YT8821	RTL8221系列/AQR115C/BCM54991系列/ GPY21x/QCA8081
JL2201B-NC	10/100/1000M	1	RGMII/SGMII	1000Base-T/100Base-TX/10Base-T	1000Base-X	RGMII to Copper / RGMII to Fiber / RGMII to Copper or Fiber Combo / SGMII to Copper / SGMII to RGMII	0-70c	QFN48-EPAD	6*6mm	RTL8211FS	AR8035, 88E1512, 88E1112, 88E1113, 88E1116R, BCM54210S, DP83867RS/CS, VSC8531
JL2201B-NI	10/100/1000M	1	RGMII/SGMII	1000Base-T/100Base-TX/10Base-T	1000Base-X	RGMII to Copper / RGMII to Fiber / RGMII to Copper or Fiber Combo / SGMII to Copper / SGMII to RGMII	-40-85c	QFN48-EPAD	6*6mm	RTL8211FS	