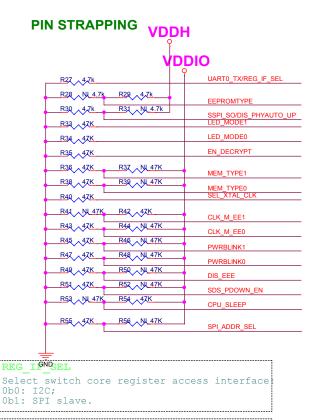


Realtek Semiconductor Corp.								
Title	RTL8382L RTL8218B RTL8231 Re Design							
Size C	Document Number MISC	Rev 1.0						



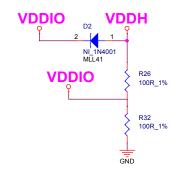
Select EEPROM Address Byte Size:

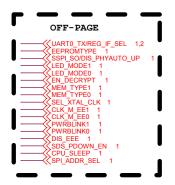
0b0: 1-bvte; 0b1: 2-bvte.

Disable Asic auto power up PHY: ObO: enable asic auto power up phy; Ob1: disable asic auto power up phy.

SDS PDOWN EN

Enable serdes power down mode: 0b0: disable sds4 and sds5 power down mode, serdes will work at cfg mode. Ob1: enable sds4 and sds5 power down mode.





CPU SLEEP

Ob0: CPU is always under reset state; Ob1: CPU is in normal state.

SPI ADDR SEL

Select address mode for SPI flash: 0b0: 3Bytes address; Obl: 4Bytes address.

LED MODE[1:0]

Select LED mode: Ob00: serial LED mode; 0b01: Scan Single mode; Ob10: Scan Bicolor mode; Ob11: disable LED.

Enable or disable decrypt for flash. 0b0: disable decrypt; Ob1: enable decrypt.

MEM TYPE[1:0]

Select Memory Type for SOC. Ob00: Select SPI flash 0b01: Reserved Ob10: Select SPI flash Ob11: Select EEPROM

Selection XTAL input is 25M or 125M 0b0: 25M; 0b1:125M.

CLK M EE[1:0]

When MEM TYPE Select is SPI Flash: This Strapping Pin Selects the Initial Clock for The Memory Controller. Ob00: Reserved for test; Ob01: Reserved for test; 0b10: 100MHz: Obl1: Reserved for test. When MEM TYPE Select is EEPROM: CLK M EE[0] is used to select SOC EEPROM address byte size. 0b0: 1-byte address0b1: 2-byte address

Select LED power on Blinking timer: Ob00: Disable; 0b01: 800ms; 0b10: 1.6s;

0b11: 3.2s.

DIS EEE

Disable 1000M EEE and 100M EEE function: 0b0: enable EEE function; Ob1: disable EEE function;

Realtek Semiconductor Corp.

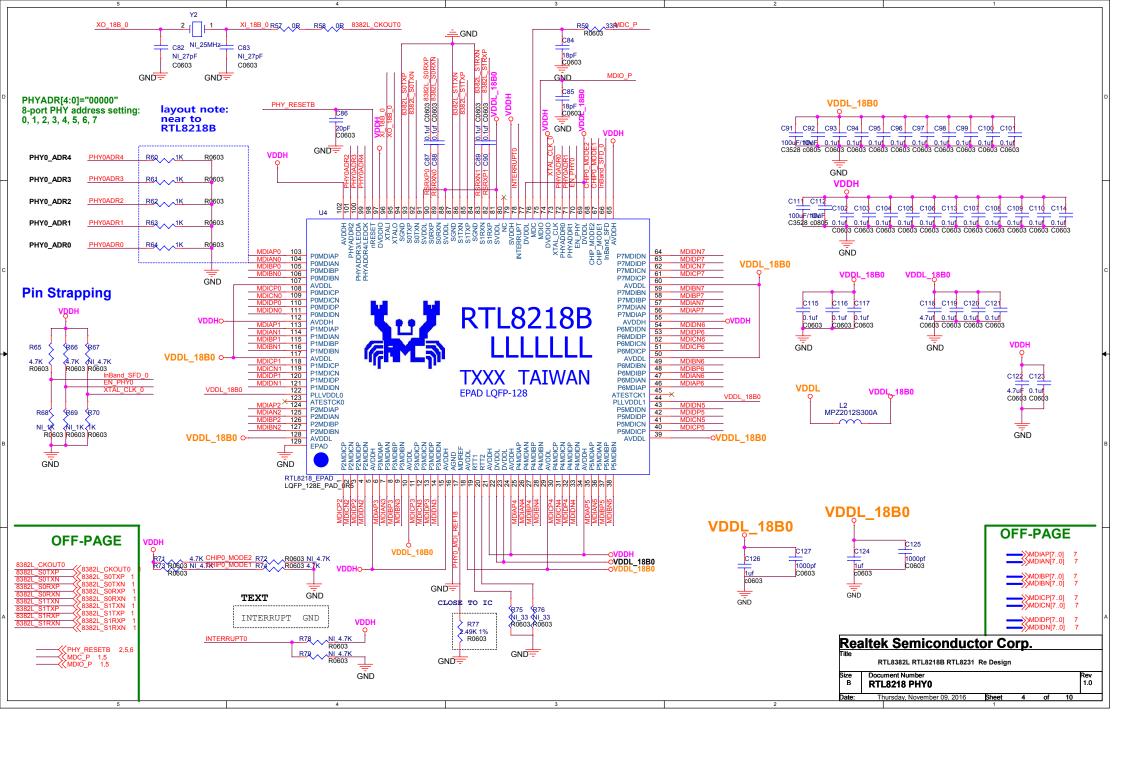
RTL8382L RTL8218B RTL8231 Re Design

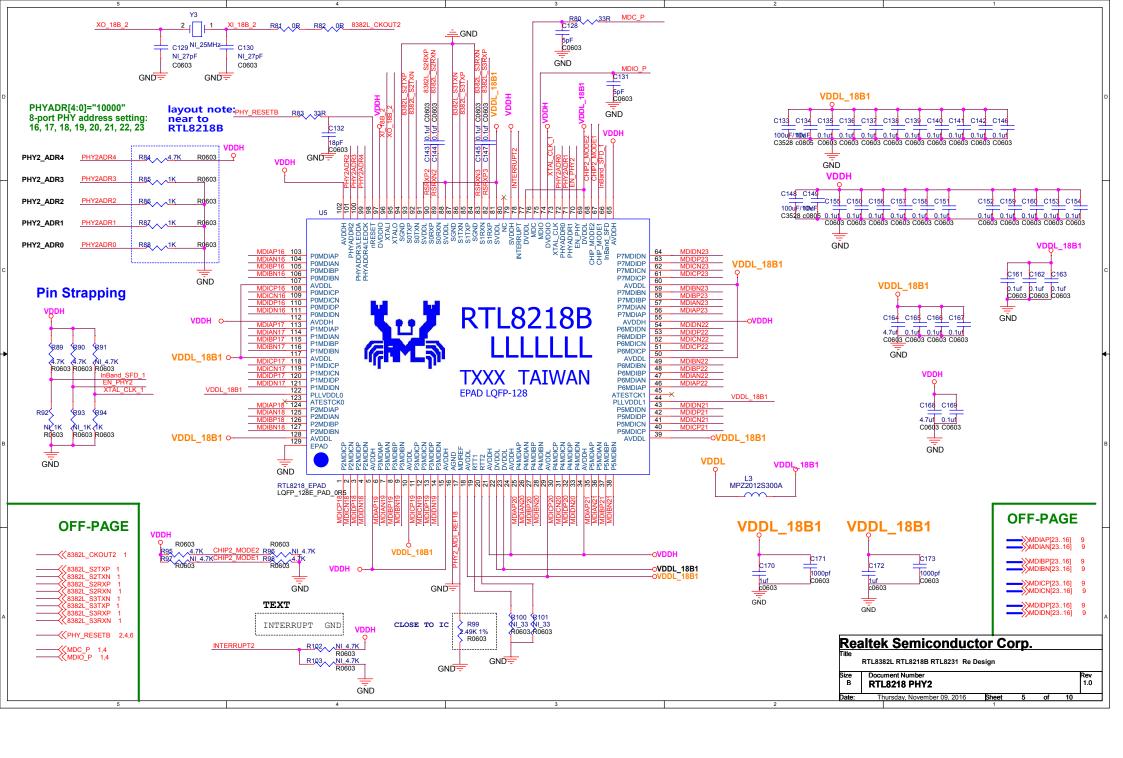
Document Number

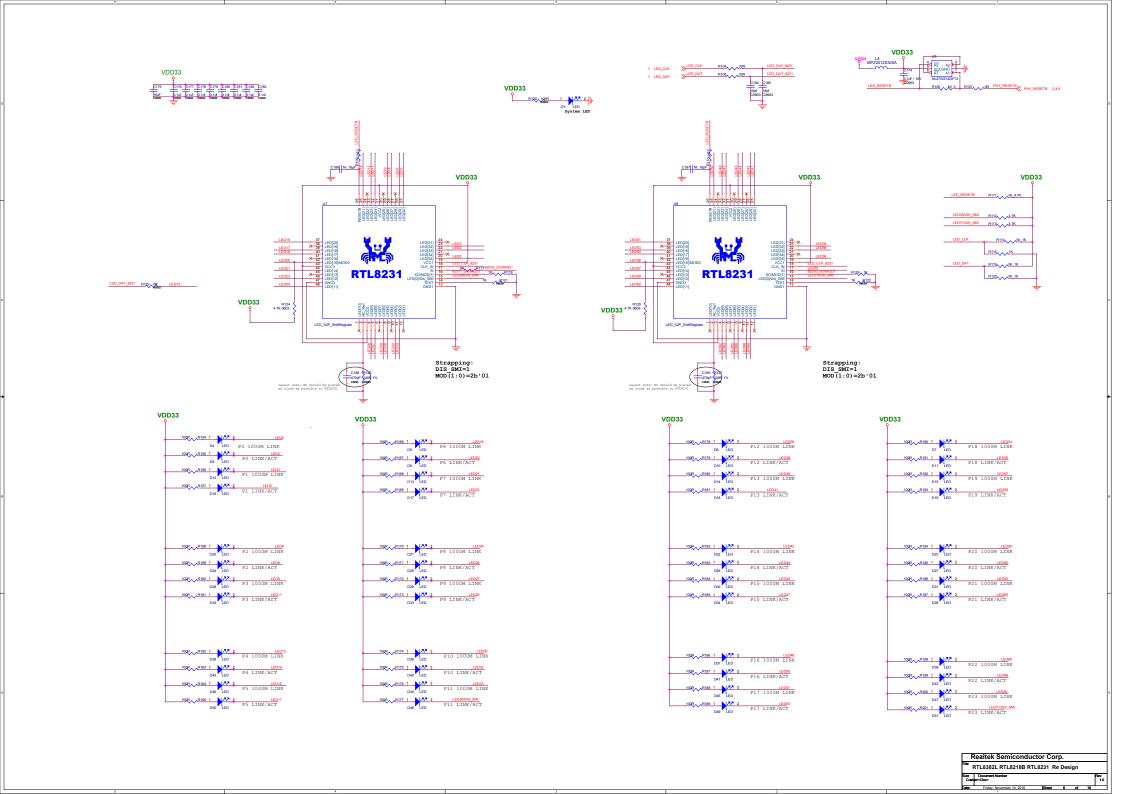
PIN_STRAPPING

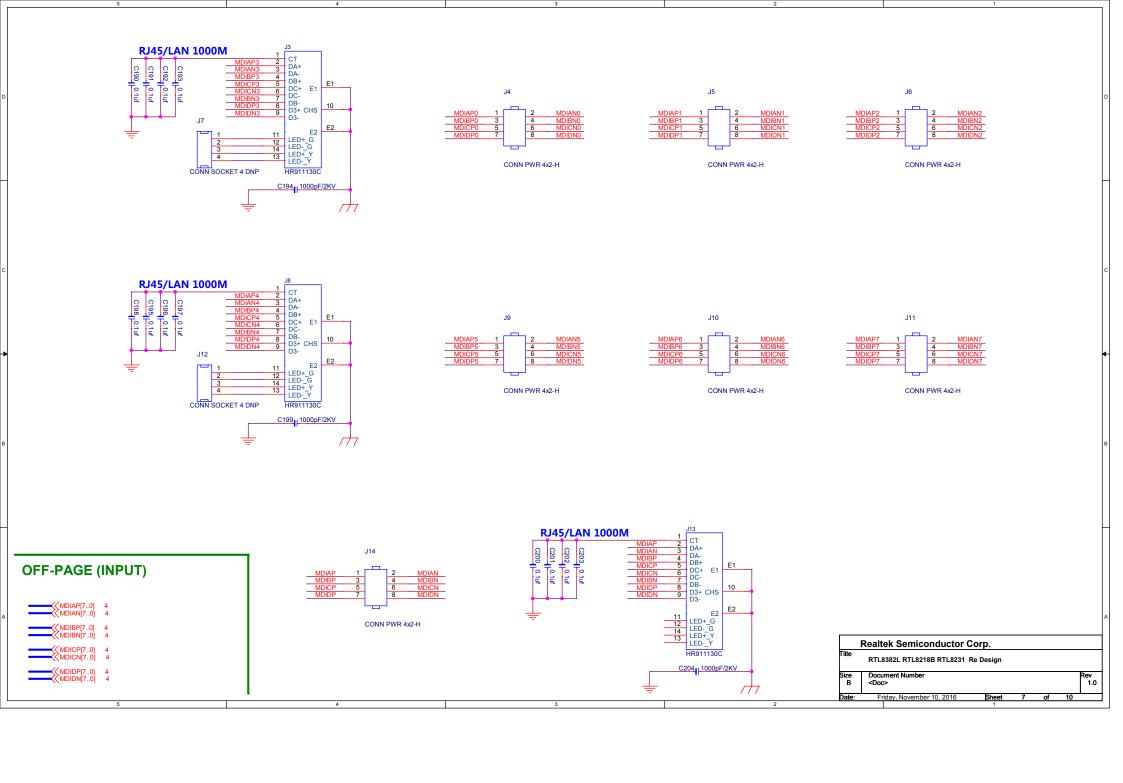
Thursday, November 09, 2016 Sheet 3

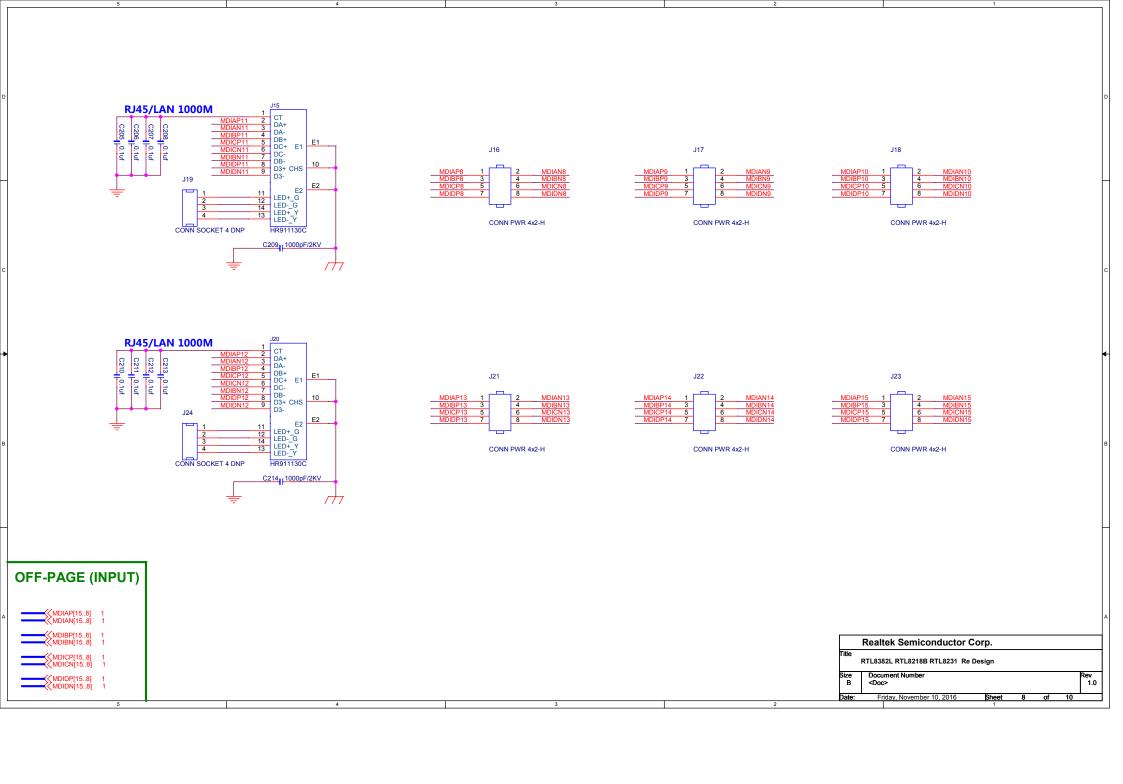
1.0

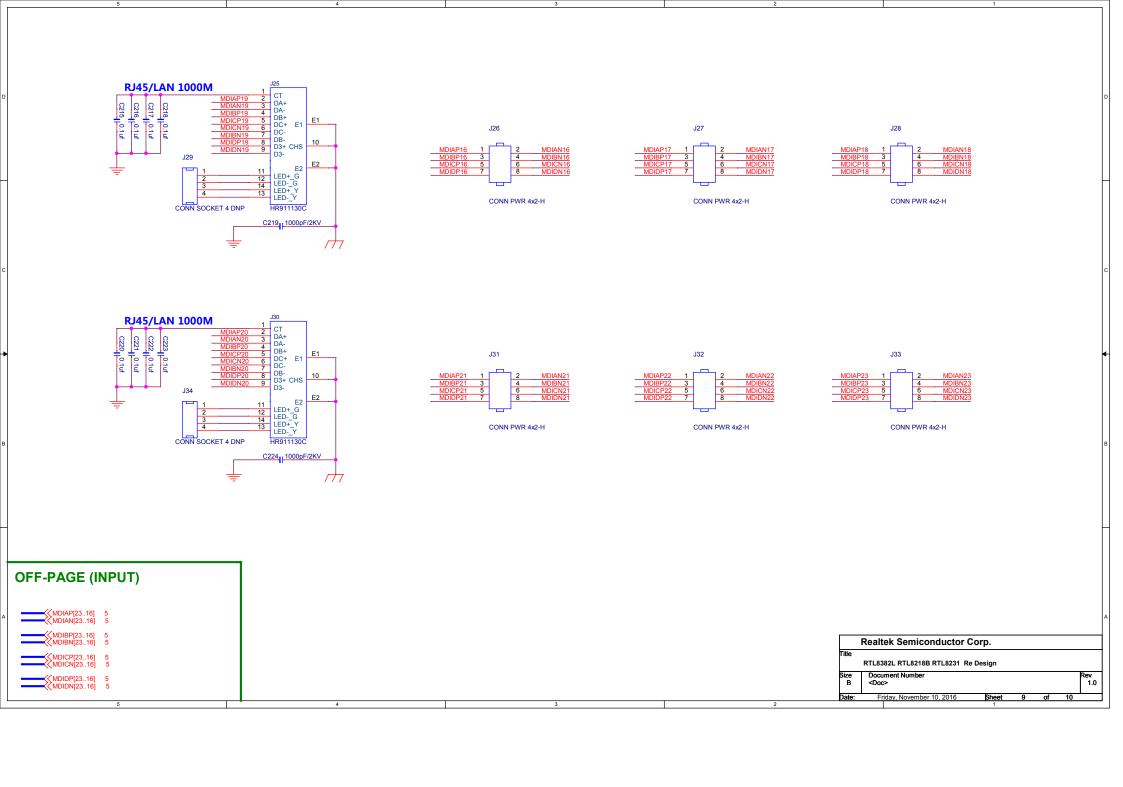


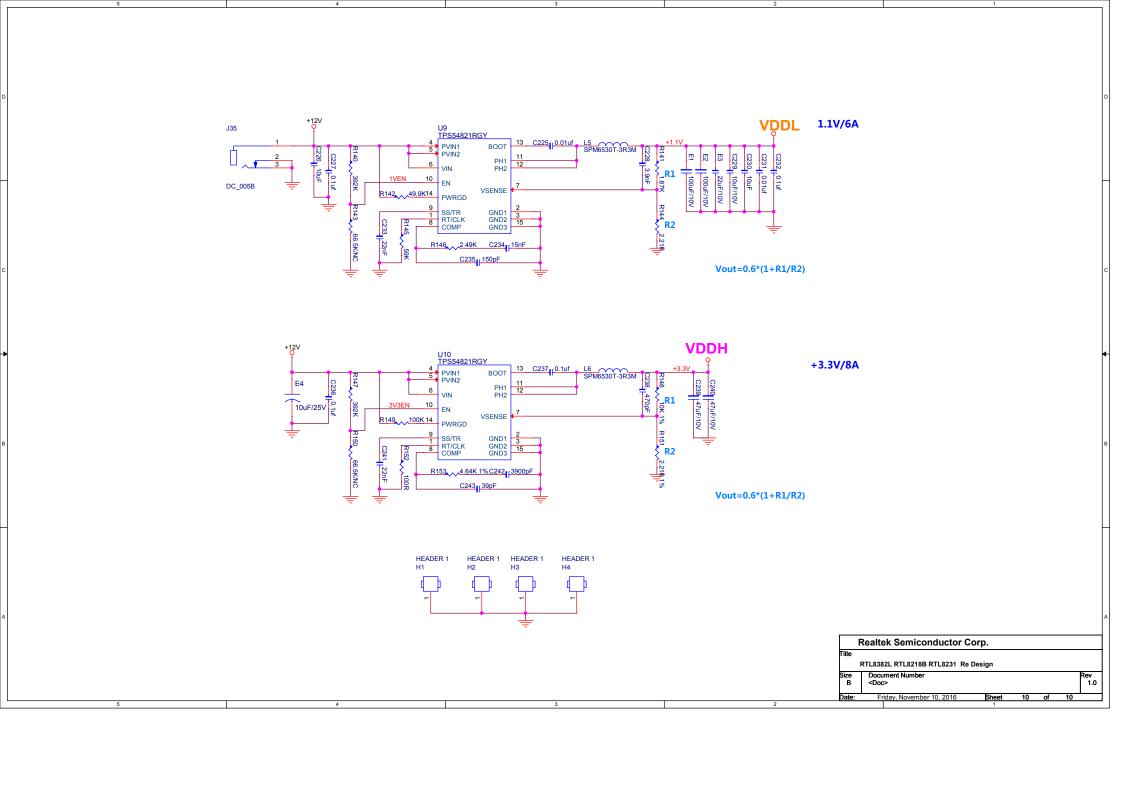












(人) 日本 (系列交换机方案, 方便设记	4応田冼刑糸老	
カ字以 Managed Switch Selection Guide -All GE	、 新列文鉄机刀系, 刀便以り 8 GE+2G SFP	RTL8380M	
	12 GE+2G SFP		
Managed Switch Selection Guide -All GE		RTL8380M+RTL8214C	
Managed Switch Selection Guide -All GE	16 GE+2G SFP	RTL8382M+RTL8218B	
Managed Switch Selection Guide -All GE	24 GE+2G SFP	RTL8382M+2*RTL8218B	DTI 0214OF
Managed Switch Selection Guide -All GE	24 GE+4G SFP	RTL8392M+3*RTL8218B	RTL8214QF
Managed Switch Selection Guide -All GE	24 GE+4G Combo	RTL83912M+3*RTL8218B	
Managed Switch Selection Guide -All GE	24 G SFP+4G Combo	RTL8392M+6*RTL8214QI	
Managed Switch Selection Guide -All GE	48 GE+4G SFP	RTL8393M+6*RTL8218B	RTL8214QF
Managed Switch Selection Guide -All GE	48 GE+4G Combo	RTL8393M+6*RTL8218B	RTL8214FC
Managed Switch Selection Guide -All GE	48 G SFP+4G Combo	RTL8393M+12*RTL8214Q	RTL8214FC
Managed Switch Selection Guide -10G Uplin		RTL9301+3*RTL8218D	
Managed Switch Selection Guide -10G Uplin		RTL9301+3*RTL8218D	2*RTL8295
Managed Switch Selection Guide -10G Uplin		RTL9301+3*RTL8218D	2*AQR107
Managed Switch Selection Guide -10G Uplin		RTL9301+3*RTL8218D	AQR407
Managed Switch Selection Guide -10G Uplin		RTL9301+6*RTL8214QF	
Managed Switch Selection Guide -10G Uplin		2*RTL9301+6*RTL8218D	2*RTL8295R
Managed Switch Selection Guide -10G Uplin		RTL9310+6*RTL8218D	
Managed Switch Selection Guide -10G Uplin		2*RTL9301+6*RTL8218D	2*AQR107
Managed Switch Selection Guide -10G Uplin		RTL9310+6*RTL8218D	
Managed Switch Selection Guide -10G Uplin		RTL9310+6*RTL8218D	2*AQR107
Managed Switch Selection Guide -10G Uplin	48GT+4SFP+ +2XAUI	RTL9310+6*RTL8218D	2*RTL8295
Managed Switch Selection Guide -mG	16GT+8*2.5GT+2*XGT+2*SFP+	RTL9301+RTL8218D	2*AQR112+2*AQR107
Managed Switch Selection Guide -mG	4*2.5GT+2*XGT+2*SFP+	RTL9302	AQR112+2*AQR107
Managed Switch Selection Guide -mG	8*2.5GT+2*XGT+2*SFP+	RTL9302	2*AQR112+2*AQR107
Managed Switch Selection Guide -mG	16*2.5GT+2*XGT+2*SFP+	RTL9302	4*AQR112+2*AQR107
Managed Switch Selection Guide -mG	24*2.5GT+2*XGT+2*SFP+	RTL9312	6*AQR112+2*AQR107
Managed Switch Selection Guide -mG	24*2.5GT+2*XGT+4*SFP+	RTL9312	6*AQR112+2*AQR107
Managed Switch Selection Guide -mG	8*XGT	RTL9303	2*AQR407
Managed Switch Selection Guide -mG	12*XGT	RTL9313	3*AQR407
Gigabit Unmanaged Switch Portfolio	5*GE	RTL8367N-VB	
Gigabit Unmanaged Switch Portfolio	8*GE	RTL8370N-VB	
Gigabit Unmanaged Switch Portfolio	8*GE+2G SFP	RTL8370MB	
Gigabit Unmanaged Switch Portfolio	16*GE+2G SFP	RTL8382L-VB	RTL8218B-VC
Gigabit Unmanaged Switch Portfolio	24*GE+2G SFP	RTL8382L-VB	2*RTL8218B-VC
Gigabit Unmanaged Switch Portfolio	24*GE+4G SFP	RTL8382L-VB	2*RTL8218B-VC+RTL8214F
Gigabit Unmanaged Switch Portfolio	8*GE+2*SFP+	RTL8396L-VC	RTL8218B-VC
Gigabit Unmanaged Switch Portfolio	16*GE+2*SFP+	RTL8396L-VC	2*RTL8218B-VC
Gigabit Unmanaged Switch Portfolio	24*GE+2*SFP+	RTL8396L-VC	3*RTL8218B-VC
Fast Ethernet Unmanaged Switch Portfolio	5*FE	RTL8305NB	
Fast Ethernet Unmanaged Switch Portfolio	8*FE	RTL8309N	
Fast Ethernet Unmanaged Switch Portfolio	16*FE	RTL8316E	
Fast Ethernet Unmanaged Switch Portfolio	24*FE+2G SFP	RTL8332L-VB	
Fast Ethernet Unmanaged Switch Portfolio	24*FE+4G SFP	RTL8332L-VB	2*RTL8208L+RTL8214B
Chip Combination of Gigabit Solution	4G+1*QSGMII	RTL8214C	
Chip Combination of Gigabit Solution	2G+1*SGMII/Hi-SGMII	RTL8363SC	
Chip Combination of Gigabit Solution	2G+2*RGMIIMII/RMII	RTL8364NB	
Chip Combination of Gigabit Solution		RTL8366SC	
Chip Combination of Gigabit Solution		RTL8367S	
Chip Combination of Gigabit Solution	5G+2*RGMIIMII/RMII	RTL8367SB	
Chip Combination of Gigabit Solution	8G+2*RGMIIMII/RMII	RTL8370MB	
Chip Combination of Gigabit Solution	2G+1*RGMIIMII/RMII	RTL8363NB	
Chip Combination of Gigabit Solution	4G+1*RGMIIMII/RMII	RTL8365MB-VB	
Chip Combination of Gigabit Solution	5G+2*RGMIIMII/RMII	RTL8367RB-VB	
Chip Combination of Gigabit Solution	5G 5G	RTL8367N-VB	
Chip Combination of Gigabit Solution Chip Combination of Gigabit Solution	8G	RTL8370N-VB	
FE Switch For Broadband	2+2*MII/RMII/TMII	RTL8304E	
FE Switch For Broadband	5+1*MII/RMII/TMII	RTL8306M PTL8304MB	
FE Switch For Broadband	5+1*RMII	RTL8304MB	
FE Industrial Grade Switches	2FE+1*MII	RTL8304MBI	<u> </u>

FE Industrial Grade Switches	5FE	RTL8305NBI	
FE Industrial Grade Switches	8FE	RTL8309NI	
FE Industrial Grade Switches	16FE	RTL8316SI	
FE Industrial Grade Switches	8FE+2/4G Combo	RTL8332MI	RTL8214FCI
FE Industrial Grade Switches	16FE+2*SFP	RTL8332MI	RTL8208LI
FE Industrial Grade Switches	24FE+2*SFP	RTL8332MI	2*RTL8208LI
FE Industrial Grade Switches	24FE+4G Combo	RTL8332MI	2*RTL8208LI+RTL8214FCI
GbE Industrial Grade Switches	2GE+1*RGMII	RTL8363MBI	
GbE Industrial Grade Switches	5GE+3*RGMII	RTL8368MI	
GbE Industrial Grade Switches	8GE MAC+2G SFP	RTL8380MI	
GbE Industrial Grade Switches	8GE MAC+2G SFP	RTL8370MBI	
GbE Industrial Grade Switches	24GE+ 8G+2/4G Combo	RTL8382MI	RTL8214FCI
GbE Industrial Grade Switches	24GE+ 16G+2G SFP	RTL8382MI	RTL8218BI
GbE Industrial Grade Switches	24GE+ 24G+2G SFP	RTL8382MI	2*RTL8218BI
GbE Industrial Grade Switches	24GE+ 24G+4G Combo	RTL8382MI	2*RTL8218BI+RTL8214FCI

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