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RTL8382M-VB-CG

MULTI-LAYER MANAGED 28*10/100/1000M-PORT SWITCH CONTROLLER

General Description

The RTL8382M-VB-CG is a new generation Gigabit switches supporting Energy Efficient Ethernet (EEE). The RTL8382M-VB is an 24-port 10/100/1000M switch controller

The RTL8382M-VB supports two-pairs of SGMII/1000Base-X.

The RTL8382M-VB also supports one serially connected QSGMII interface port to connect to 1 Quad Gigabit PHY (RTL8214FC/RTL8214C)

Features

- 28-port Gigabit wire speed forwarding capability
- Embedded 8-port 10/100/1000M Ethernet PHY
- Supports two pairs of SGMII/1000Base-X
- Supports one pair of QSGMII to connect to external 4-port 10/100/1000M Ethernet PHYs
- Support 4-pairs of QSGMII to connect to external 8-port 10/100/1000M Ethernet PHYs
- Flexible Interfaces for Internal or External CPU
 - Serial/Dual I/O mode 32MB SPI Flash
 - Up to 128MB DDR1/DDR2 and 256MB DDR3 for internal MIPS-4KEc
- Embedded MIPS-4KEc with MMU

Applications

- Managed 24*1000MUTP
- Managed 24*1000M UTP+2*1000Base-X Switch

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