



HT8614QC / HT8614QH

4 Gigabit Ethernet optical ports PHY

1、intro

HT8614QC/HT8614QH is a low-power 4-port 100/1000Mbps Ethernet optical port PHY. The HT8614Q supports one QSGMII port and four 100BASE-X/100BASE-FX ports.

The HT8614Q provides integrated built-in self-check and loopback functions for easy debugging.

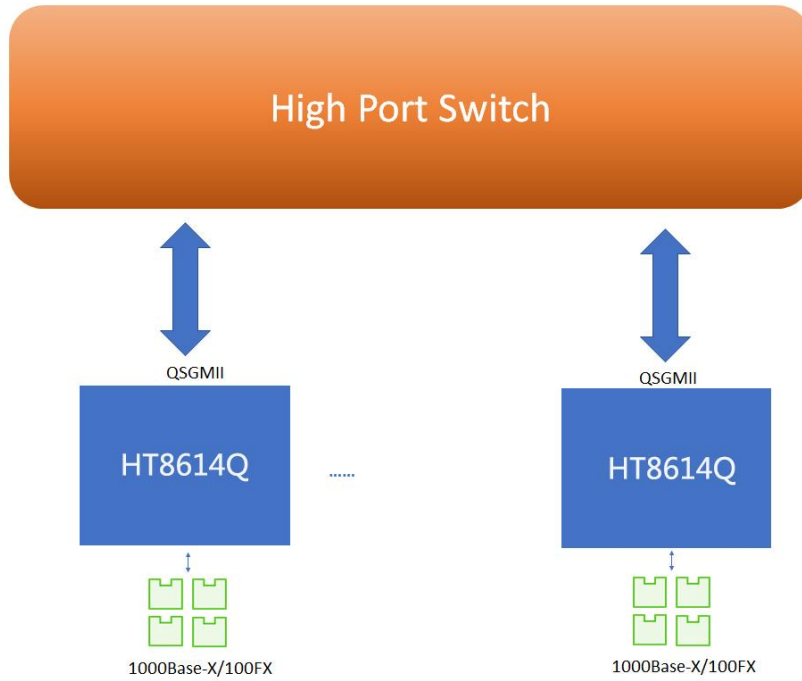
Commercial grade model :HT8614QC

Industrial model :HT8614QH

Apply

- Exchange
- Ethernet controller
- Network security
- Enterprise routing

Typical application block diagram





2、 Main function

- 5Gbps QSGMII to x4 100Base-FX/1000Base-X port conversion and each port can also be set to SGMII_MAC
- 5Gbps QSGMII to x4 SGMII_PHY port conversion
- 5Gbps QSGMII to x4 SGMII_MAC port conversion
- Supports unidirection in 1000BASE-X/100Base-FX
- SerDes Test pattern
 - PRBS-7/10/31
 - IDLE /K28.5 /D5.6
 - Customized define by user
 - SerDes BIST
- Packet Generator and Checker
- Low power consumption
- Easy layout, good EMI/EMS, and good thermal performance
- Supports 25MHz/50MHz crystal or 3.3V OSC input
- 3.3V and 1.2V power supply
- Sync-E clock output
- QFN-88 E-PAD package



3、pin

