



HSZ18201

Single-port 100 gigabit Ethernet physical layer transceiver

1、intro

The HSZ18201 is a low-power single-port 10/100 Mbps Ethernet PHY. It provides complete physical layer functionality based on CAT5 twisted pair. The HSZ18201 also offers a flexible standard MII and RMII interface for MAC connectivity.

The HSZ18201 uses mixed signal processing to perform equalization, data recovery, and recovery error correction for robust operation on CAT5 twisted pairs.

The HSZ18201 offers integrated built-in self-check and loopback functions for easy debugging.

The HSZ18201 offers innovative and robust ways to reduce power consumption, such as EEE, WoL, and other configurable energy saving modes.

Apply

- General embedded application
- Video surveillance
- Industrial control
- Factory automation



2、 Main function

- IEEE 802.3az, EEE
- 100Base-TX
- 10Base-Te
- MII mode
- RMI mode
- Full/Half duplex
- Auto-negotiation
- Power down mode
- Base Line Wander (BLW) compensation
- Auto MDIX
- Interrupt function
- WOL, Wake on Lan
- Automatic Polarity correction
- 2 sets LED indicator
- 25 MHz crystal or OSC
- Provide 50Mhz clock source for MAC
- Single Power supply, internal LDO
- Package QFN 32, 5x 5mm



3、pin

