1、 Product Photo

Top:

SIZE：270*180*44mm

2、Product specification

Model number	TXE169
Chipset	RTL8383L+RTL8218B
Port number	16 port 10/100M/1000M Auto MDI-MDIX RJ45
Standard	IEEE 802.3 IEEE 802.3u IEEE 802.3x IEEE 802.3az
Network media	10Base-T,cat3 or above UTP,10Base-Tx, cat5 UTP
Data rate	10/100M/1000M
Forwarding rate	10 Mbps / 14,880 pps ,100 Mbps / 148,800 pps, 1000Mbps/1488000pps
LED Indicator	10/100M/1000Mbps(Link/Act),Power
Dimension	270*180*44
Power Input	DC12V/2000mA
Power Consumption	Max12W
Environment	Operating Temperature: 0 ℃-50 ℃
	Relative Humidity: 10%-90%(non-condensing)
	Storage Temperature: -40℃-70℃
	Relative Humidity: 5%-90%(non-condensing)

2.1 Chipset Feature :

Single-chip 16-port gigabit non-blocking switch architecture

Embedded 16-port 10/100/1000Base-T PHY

Each port supports full duplex 10/100/1000M connecti vity (half duplex only supported in 10/100M mode)

Full-duplex and half-duplex operation with IEEE 802.3x flow control and backpressure
Supports 9216-byte jumbo packet length forwarding at wire speed
Supports Realtek Cable Test (RTCT) function
Supports 64-entry ACL Rules
Search keys support physical port, Layer2, Layer3, and Layer4 information
Actions support mirror, redirect, dropping, priority adjustment, traffic policing, CVLAN decision, and SVLAN assignment
Supports 5 types of user defined ACL rule format for 64 ACL rules
Optional per-port enable/disable of ACL function
Optional setting of per-port action to take when ACL mismatch
Supports IEEE 802.1Q VLAN
Supports 4K VLANs and 32 Extra Enhanced VLANs
Supports Un-tag definition in each VLAN
Supports VLAN policing and VLAN forwarding decision
Supports Port-based, Tag-based, and Protocol-based VLAN
Up to 4 Protocol-based VLAN entries
Supports per-port and per-VLAN egress VLAN tagging and un-tagging
Supports IVL, SVL, and IVL/SVL
Supports 8K-entry MAC address table with 4-way hash algorithm
Up to 8K L2/L3 Filtering Database
Supports Spanning Tree port behavior configuration
IEEE 802.1w Rapid Spanning Tree
IEEE 802.1s Multiple Spanning Tree with up to 16 Spanning Tree instances
Supports IEEE 802.1x Access Control Protocol
Port-Based Access Control
MAC-Based Access Control
Guest VLAN
Supports Quality of Service (QoS)
Supports per port Input Bandwidth Control
Traffic classification based on IEEE 802.1p/Q priority definition, physical Port, IP DSCP field, ACL definition, VLAN based priority, MAC based priority, and SVLAN based priority
Eight Priority Queues per port
Per queue flow control
Min-Max Scheduling
Strict Priority and Weighted Fair Queue (WFQ) to provide minimum bandwidth
One leaky bucket to constrain the average packet rate of each queue
Supports rate limiting (64 shared meters, with 8kpbs granulation)
Supports RFC MIB Counter
MIB-II (RFC 1213)
Ethernet-Like MIB (RFC 3635)
Interface Group MIB (RFC 2863)
RMON (RFC 2819)
Bridge MIB (RFC 1493)
Bridge MIB Extension (RFC 2674)
Supports Stacking VLAN and Port Isolation with 8 Enhanced Filtering Databases
Supports IEEE 802.1ad Stacking VLAN
Supports 64 SVLANs
Supports 32 L2/IPv4 Multicast mappings to SVLAN

Supports 4 IEEE 802.3ad Link aggregation port groups
Supports OAM and EEE LLDP (Energy Efficient Ethernet Link Layer Discovery Protocol
Supports Loop Detection
Security Filtering
Disable learning for each port
Disable learning-table aging for each port
Drop unknown DA for each port
Broadcast/Multicast/Unknown DA storm control protects system from attack by hackers
Supports Realtek Green Ethernet features
Link-On Cable Length Power Saving
Link-Down Power Saving
Each port supports 3 parallel LED or scan LED outputs
Supports EEPROM SMI Slave interface to access configuration register
Supports 16K-byte EEPROM space for configuration
Integrated 8051 microprocessor
Supports Flash Interface
25MHz crystal or 3.3V OSC input
LQFP 216-pin E-PAD package

3、LED State

LED	Color	10M	100M	1G
LINK	Green	ON	ON	ON
Action	Green	Twinkle	Twinkle	Twinkle