

LTS-34452

44 10/100/1000T + 4 100/1000M SFP Combo + 4 1G/10G SFP L2 Plus

Managed Switch

- Advanced L2 + SNMP Management
- High Density Gigabit & 4-port 10G Uplink Switch for Central Management
- Supports IPv4 & IPv6, MSTP, SSH/SSL, TACAS+, ACLs
- Support IGMP v3 and Proxy, MVR
- IEEE 802.3az for Energy Efficient Ethernet Task Force



OVERVIEW

Lantech LTS-34452 is a 44-port 10/100/1000T + 4-port 100/1000M SFP Combo + 4-port 1G/10G SFP L2 Plus Managed Switch which supports full SNMP features, including QoS for 4 queues, 801.q VLAN, IPv6, IGMP snooping and query mode as well as SNTP.

The switch features advanced security function including SSH, SSL, RADIUS and TACACS+ authentication, PVE, ACLs as

well as supports IP Source Guard to anti-fake DHCP server or illegal IP address to access the network.

With advanced SNMP and security function, LTS-34452 is the best switch to connect with IP Camera, Setup box, VoIP phone / router, Wireless Equipments for MTU, Transportation or Surveillance applications.

FEATURES & BENEFITS

- IGMP v1/v2/v3 snooping, query and proxy
- Port Based VLAN, Tag VLAN, GVRP
- Voice VLAN
- Port Trunk with LACP
- TFTP Firmware Update and System Configure
- 9K Jumbo Frame support
- 32K MAC address table
- Support IPv4 & IPv6
- Quality of Service
- Port Mirror
- MSTP / Spanning Tree / Rapid Spanning Tree
- SNMP v1/v2c and v3 with support for traps
- Advanced Security: SSH/SSL, ACL, IP Source Guard, PVE, Port Security

SPECIFICATION

Hardware Specification		Software Specification	
IEEE Standard	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000Base-T, IEEE 802.3z Gigabit Fiber, IEEE802.1p COS IEEE 802.3x Flow Control and Back-pressure IEEE802.1x RADIUS authentication IEEE 802.1d Spanning Tree, IEEE 802.1w Rapid Spanning Tree, IEEE 802.3ad Port trunk with LACP IEEE802.3az Energy Efficient Ethernet Task Force IEEE802.1q VLAN Tagging IEEE802.1ab Link Layer Discovery(LLDP)	Throughput	130.94 Mpps
MAC Address	32K Mac address table	Power Supply	100-240 VAC 50-60 Hz, internal, universal
Jumbo frames	up to 9KB supported on Gigabit interfaces	Case Dimension	442mm(W) x 300mm (D) x 44mm (H)
Switching fabric	136 Gbps	Operating Humidity	10%-90% (Non-condensing)
		Storage temperature	-20°C ~ 70 °C
		Operating Temperature	0°C ~50°C
		EMI	CE, FCC Part 15 Class A
		Warranty	2 years
		Software Specification	
		Management	SNMPv1/ v2c / v3/, Web/ Telnet/ CLI Management
		Firmware update	-Web browser upgrade (HTTP/ HTTPS) and TFTP -Upgrade through console port
		UPnP	The UPnP (ISO/IEC 29341) architecture allows device-to-device networking of personal computers, networked home appliances, consumer electronics devices and wireless devices. It is a distributed,

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	open architecture and zero configurations networking protocol based on established standards such as the Internet Protocol Suite (TCP/IP), HTTP, XML, and SOAP.		shorter.
		Spanning Tree	Support Spanning Tree · Rapid Spanning Tree, enabled by default Multiple Spanning Tree instances using 802.1s (MSTP)
Port Trunk	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) -Up to 26 groups -Up to 8 ports per group	Port Mirror	Supports TX/RX/Both packet mirror. (8 source port)
VLAN	Support for up to 4K VLANs simultaneously (out of 4096 VLAN IDs) -Port-based VLAN -Tag-based VLAN -MAC-based VLAN -Management VLAN -Private VLAN Edge (PVE) -GVRP / MVR	IGMP	-Supports IGMP v1/v2/v3 snooping -IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router. -Support IGMP Proxy - MLD v1/v2 snooping : Deliver IPv6 multicast packets only to the required receivers
Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS	DHCP	Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82 DHCP Client/ DHCPv6 Client
Quality of Service	- Support 8hardware queues - Ingress policer; egress shaping and rate control; per VLAN, per port and flow base	SNMP	SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
QoS Scheduling	Strict priority and 8,4,2,1 weight fair queue scheme Queue assignment based on DSCP and class of service (802.1p/ CoS)	SNTP	SNTP to synchronize system clock in Internet
Class of Service	Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based; Differentiated Services (DiffServ); classification and re-marking ACLs, trusted QoS	LLDP	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to 8 source ports can be mirrored to single destination port. A single session is supported.
IPv6	Web/ SSL, Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, Syslog	System Log	System log record and remote system log server
IPv4 and IPv6 dual stack	Coexistence of both protocol stacks to migration	Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
Remote Monitoring (RMON)	Embedded RMON software agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis	IP security	-Supports illegal IP address to access to specific port in the switch -Support SSH/SSL
Dual Image	Dual image provides independent primary and secondary OS files for backup while upgrading	RADIUS / TACACS+	RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN , single/multiple host mode and single/multiple sessions Supports IGMP-RADIUS based 802.1X Dynamic VLAN assignment
Rate Limiter	The Rate Limiter Level from 1 to 16 that allow user to set rate limiter value and units with pps or kbps.	Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
Energy Detect	Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up	ACLs	Support for up to 256 entries Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables		

*Future Release
**Optional

ORDERING INFORMATION

■ **LTS-34452.....P/N: 8380-300**

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OPTIONAL ACCESSORIES
Mini GBIC (SFP)

■ 8330-162	MINI GBIC 1000SX (LC/0.5km) Transceiver	■ 8330-193	10GBase SFP+ SR, Multi-mode, (LC/300m) Transceiver
■ 8330-163	MINI GBIC 1000SX2 (LC/2km) Transceiver	■ 8330-194	10GBase SFP+ LR, Single-mode, (LC/10km) Transceiver
■ 8330-165	MINI GBIC 1000LX (LC/10km) Transceiver	■ 8330-188	LTSFP-1000BX-10KM Transceiver (WDM 1310)
■ 8340-0591	MINI GBIC 1000LHX (LC/40km) Transceiver	■ 8330-189	LTSFP-1000BX-10KM Transceiver (WDM 1550)
■ 8330-166	MINI GBIC 1000XD (LC/50km) Transceiver	■ 8330-186	LTSFP-1000BX-20KM Transceiver (WDM 1310)
■ 8330-169	MINI GBIC 1000XD (LC/60km) Transceiver	■ 8330-187	LTSFP-1000BX-20KM Transceiver (WDM 1550)
■ 8330-167	MINI GBIC 1000ZX (LC/80km) Transceiver	■ 8330-180	LTSFP-1000BX-40KM Transceiver (WDM 1310)
■ 8330-170	MINI GBIC 1000EZ (120km) Transceiver	■ 8330-182	LTSFP-1000BX-40KM Transceiver (WDM 1550)
■ 8330-168	MINI GBIC 10/100/1000T (100m) Transceiver	■ 8330-181	LTSFP-1000BX-60KM Transceiver (WDM 1310)
■ 8330-060	100Base FX 2KM, Multi-mode, LC Transceiver	■ 8330-183	LTSFP-1000BX-60KM Transceiver (WDM 1550)
■ 8330-065	100Base FX 5KM, Multi-mode, LC Transceiver	■ 8330-184	LTSFP-1000BX-80KM Transceiver (WDM 1490)
■ 8330-061	100Base LX 30KM, Single-mode, LC Transceiver	■ 8330-185	LTSFP-1000BX-80KM Transceiver (WDM 1550)

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