



UT-1319A



HARDENED GIGABIT Ethernet SWITCH

4 x GIGABIT L2 HARDENED SWITCH

Scope of Application

UT-1319A is an entry level access switch which belong to serial products for villages. The Switch is designed to deliver power and reliability in one cost-effective equipment, a scalable and future-proof network solution to fit the network requirements of families and small communities. Providing the ideal combination of affordability and excellent switching capabilities, it helps to create an efficient network at relatively cost effective. Built with powerful chipset and richly equipped with much software features, the switch delivers maximum performance and enables service providers to operate their network more efficiently.

Designed with 4 downlink copper ports that deliver 10/100/1000Mbps speeds, the UT-1319A is a perfect effective cost solution for service providers who want to offer high-value Ethernet services for low density subscriber base with medium ARPU. Equipped with Dual 100/1000 multi-rate SFP uplinks which can be configured as ring ports to provide link redundancy in gigabit ber based ring architecture networks, or daisy chain to extend distance.

Features Highlight

- 4 x 10/100/1000Base-T, RJ45 port (support Full/Half duplex operations)
- 2 x 100Base-FX/1000Base-X with SFP Slot
- Auto MDI/MDI-X and Auto-negotiation on RJ45
- Support packet size up to 10KB
- Packet Buffer: 4.1Mbits
- MAC Table Size: 8K
- Support VLAN (IEEE802.1Q)
- Support Quality of Service (IEEE802.1p)
- Support STP/RSTP
- LEDs for device status
- Equipped with 15VDC/1.2A power adapter
- Operating temperature from -10°C to 60°C

■ Unparalleled Network Performance

Excessive and unnecessary inbound unicast, multicast or broadcast traffic on physical interfaces can degrade your network performance and can even result in complete loss of network service. Storm control and traffic monitor features of the UT-1319A enables ISPs to effectively monitor and limit incoming traffic to prevent disruption of LAN ports. In addition, Loop detection on the switch identifies loops in the network and disables the relevant ports to avoid loop storms, preventing LAN degradation and achieving maximum network performance. These features along with auto-recovery timer deliver robotic methods to control your network automatically.

■ Stable and Reliable Device Operations

Abnormal power supply puts extra strain on the components of the switch, wearing it down over time and resulting in increased network downtime. Built with increased level of power supply protection, the UT-1319A features OCP, OVP and Surge protection to ensure stable and reliable device operations. Surge protector function on each copper port and protects the ports as well as device from surges entering through LAN cables. Even in unstable power conditions, these features of the switch prevent sudden network downtime protecting your infrastructure investments and avoiding unnecessary operational expenditure.

■ Comprehensive QoS Mechanisms to Assign Priority

Network applications need different levels of services delivered to them reliably without any transmission delays and interruptions. The UT-1319A has comprehensive QoS mechanisms that assign priority to applications and send only specific dedicated traffic to them. In addition, bandwidth management functions of the switch allocate greater bandwidth for mission-critical communications. With increased control, administrators can prevent unpredictable errors and utilize the bandwidth more effectively.

■ Efficient Network Monitoring and Management Tools

The UT-1319A features SNMP, an industry standard management protocol, enables administrators to centrally manage and monitor the network, and easily but quickly identify issues that impact network performance. Supported by SNMP traps, the switch allows administrators to monitor unsolicited SNMP trap messages and maintain a helpful network status data for managing a healthy network. And in the event of network malfunction, Email alarm feature of the switch sends email alerts to notify administrator regarding real time network problems. These efficient features speed up and simplify network monitoring and troubleshooting, reducing operational head burden.



Technical Data

Standards	
IEEE 802.3	10Base-T (Ethernet)
IEEE 802.3u	100Base-TX/FX (Fast Ethernet)
IEEE 802.3ab	1000Base-T (Gigabit Ethernet)
IEEE 802.3z	1000Base-X (SX/LX)
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation (LACP)
IEEE 802.3az	Energy-Efficient Ethernet
IEEE 802.1Q	VLAN tagging
IEEE 802.1d	Spanning Tree Protocol (STP)
IEEE 802.1w	Rapid Spanning Tree Protocol (RSTP)
IEEE 802.1p	QoS
IEEE 802.1ab	LLDP
Interface	
Port	4 x 10/100/1000Base-T, RJ45 port 2 x 100Base-FX/1000Base-X, SFP port
LED Panel	PWR, POST, 1000, LNK/ACT, SFP
Features	
Performance	Switching Capacity: 12Gbps
	Forwarding Rate: 8.92Mpps
	Packet Buffer Memory: 4.1Mbits
	Jumbo Frame size: 10KBytes
	MAC Address: 8K
	Flash Memory: 32MB
Management	SDRAM: 128MB
	Transmission Method: Store and Forward
	CLI, Telnet/SSH, HTTP, SNMP v1/v2c, SNMP Trap,
	MVLAN, Firmware Upgradable, Configuration
	Backup/Restore, Syslog, STNP, DHCP, LLDP
	Client/Relay/Option 82, e-mail Alarm, Server Control,
Reliability	Mirroring, DDM for SFP Info, Dying Gasp
	Auto-Provisioning, IEEE 802.3, RMON Statistics, IPv4
VLAN	STP/RSTP, Dual Homing, LACP, Static Trunk,
	Code Redundancy
Trafic Control	IEEE 802.1Q, Port-based VLAN, MAC-based VLAN
	IGMP snooping, QoS, Flow Control, Rate Limit,
Security	Traffic Monitor, Port Isolation, Loop Detection,
	VLAN Stacking, Storm Control
Security	ACL, SSH, Port Security, MAC Search,
	Static MAC, Management Host, Switch Lock,
Security	IP Source Guard, DHCP Snooping, ARP Inspection

Power	
Power Input	DC Power Jack: 15VDC
	2-pin Terminal Block: 12VDC
Power Adapter	Input: 100-240VAC, 50-60Hz
	Output: 15VDC/1.2A
Power Consumption	18W
Surge Protection	3KV
Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	46 x 116 x 100 (mm)
Weight	529g
Mounting	Wall-mount, Desktop, DIN-Rail (Optional)
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 70°C
Operating Humidity	10% to 95% RH (non-condensing)
Storage Humidity	5% to 95% RH (non-condensing)
Energy Conservation Design	Fanless
Certifications	
EMC	FCC, CE
	EN 55032 (CISPR 32) Class A
	EN 61000-3-2/3
	EN/IEC/UL 60950-1
Green Product	RoHS
Ordering Information	
UT-1319A	4 x GIGABIT L2 HARDENED SWITCH 4 GE + 2 SFP (GE)

Note :

* Specifications subject to change without notice.

Drawing

