

Layer2 8GE Managed Switch

MLS-8G-MA

8port 10/100/1000Base-T Green Network Managed Switch



Built-in energy-saving Green Network technology

L2 Managed Switch for Factory/SOHO/FTTx Networking Application

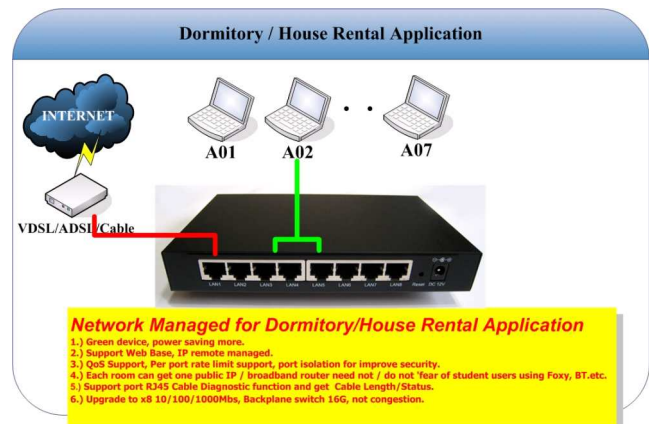
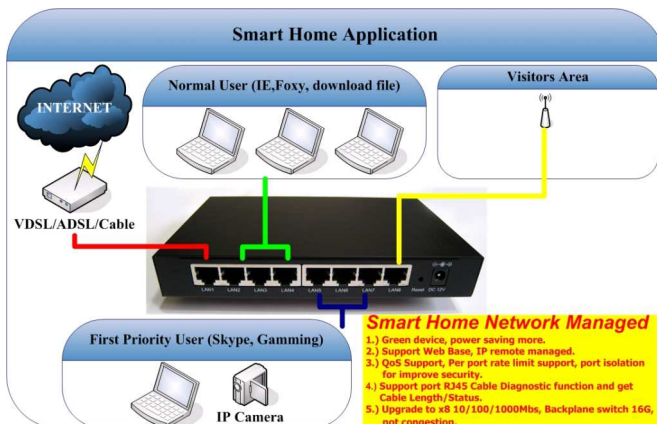
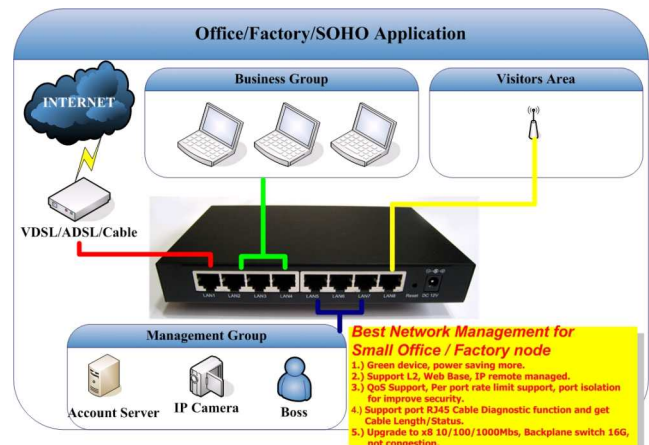
Description

MLS-8G-MA for the energy-efficient Ethernet Switch products. The device provides eight 10/100/1000Base-T standard network interface. The switch provides powerful data forwarding capability. MLS-8G-MA network management functions with Port VLAN, Tag VLAN and Port Isolation and other functions, can effectively limit the Broadcast, broadcast packets to avoid the spread of the virus causing paralysis resulting network, while division of the working group to facilitate and improve information security, and possessed the RJ45 Cable detection, can provide the line troubleshooting easy way. MLS-8G-MA Trunk support functions, eliminating server or cascaded switch between bandwidth bottleneck. Supports Port Mirror features to help you easily network monitoring and network troubleshooting queries. MLS-8G-MA also supports priority, dynamic MAC address management, static MAC address table, MAC address filtering and other management functions, the user classification management, network control and bandwidth usage to enhance effective control. MLS-8G-MA overall superior performance, easy to use, C / P value is high, for business, home and other campus and community network, providing the ideal network infrastructure solutions.

Features

- ◆ Power Saving Up to 60%.
- ◆ Layer II feature for IP remote managed application.
- ◆ Operates in store and forward mode.
- ◆ MDI/MDIX auto-crossover for TP ports.
- ◆ Auto-negotiation (10/100/1000 Mb/s) for TP ports.
- ◆ Maximum packet size: 9216 Bytes.
- ◆ Support TP port RJ45 Cable Diagnostic function and get Cable Length/Status.

Application Diagram



Product Model	MLS-8G-MA, 8port Giga Green Network Managed Switch
Technical Specifications	
LAN Interface	<p>Eight RJ-45 female connector for straight or cross-over connection</p> <p>Supports 10/100/1000Base-TX, n-way (Auto-Negotiation)</p> <p>Supports Full, Half duplex, 10/100/1000 speed Auto mode selections(1000M only support Full duplex mode)</p> <p>Transmission Packet Rate for 10/100Base-TX : 14880/148800 per second ; 1000Base-T : 1488000 per second</p> <p>Copper TP cable 4 pair Cat. 5e or 6 UTP</p>
General Specification	<p>Operate in store and forward mode</p> <p>Support IEEE802.3 10BASE-T</p> <p>Support IEEE802.3u 100BASE-TX</p> <p>Support IEEE802.3ab 1000BASE-T</p> <p>Support 8K MAC address</p> <p>Support Auto MDI/MDIX</p> <p>Support 9K Jumbo Frame</p> <p>Support TP Port Auto-negotiation(10/100/1000 Base and Full/ Half mode)</p> <p>Support Auto MDI/MDIX</p> <p>MTBF : 100,000 h (25°C)</p>
Layer II Managed Switch feature	<p>Support Web SNMP managed feature</p> <p>Support 802.1Q/QoS priority/ port setting</p> <p>Support Q in Q double VLAN tagging</p> <p>Support IGMP v1/v2 snooping</p> <p>Support Port Trunk setting</p> <p>Support LAN Loop Prevention</p> <p>Support Port Mirroring</p> <p>Support port rate limit from 8K to 1Gbps (step 8K for Ingress/Egress per port)</p> <p>Support 9216 Jumbo Frame</p> <p>Support Green Ethernet</p> <p>Support 802.3az EEE function</p> <p>Support Port Statistics Monitor</p> <p>Support Port Cable Diagnostic</p> <p>Support Firmware Upgrade and configuration backup</p> <p>Support Auto Provision(option)</p> <p>Support Managed VLAN tagging(option)</p>
Indicators	<p>Power LED</p> <p>LAN 1~8 Speed Dual color LED</p> <p>LAN 1~8 Link/Act LED</p>
Power Protection : (Surge)	<p>IEC 61000-4-2 level 4 (ESD) , 15 kV (air discharge), 8kV (contact discharge)</p> <p>IEC-61000-4-5</p> <p>MIL STD 883G, method 3015-7 Class 3B, -25kV HBM(human body model)</p>
Dimension	179mm(W) x 110mm(D) x 28mm (H)
Weight	485g
Power Requirement	<p>External Power Supply : 12V/1A</p> <p>Power Consumption : <6 Watts</p>
Emissions Compliance	FCC part 15 Class B, CE Mark
Environmental Conditions	<p>Operating Temperature : 0 ~ 70°C</p> <p>Storage Temperature : -10 ~ 70°C</p> <p>Operating Humidity : 10% ~ 90%, Non-condensing. 20 ~ 80% (Storage)</p>

Ordering Information

Part Number	Description
MLS-8G-MA-x	Managed, 8PORT 10/100/1000TX Green Networking Switch

Note : x=1 0 ~ 50°C /DC IN 12VDC US type power adapter
x=2 0 ~ 50°C /DC IN 12VDC Euro type power adapter