ETHERNET SWITCHES

065-7841, a 24-port Gigabit L2 Plus Managed Switch, is a standard switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch includes 20-Port 10/100/1000 Mbps TP and 4-Port Gigabit TP/SFP Fiber dual media management Ethernet switch. The switch can be managed through RS-232 serial port, or through Ethernet port using CLI or Web-based management unit, associated with SNMP agent. With the SNMP agent, the network administrator can logon the switch to monitor, configure and control each port's activity in a friendly way. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications. In addition, the switch features comprehensive and useful functions such as QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping capability via the intelligent software. It is suitable for both metro-LAN and office applications.

24-Port GbE L2 Plus Managed Switch

FEATURES

- **4 Dual Media for Flexible Fiber Connection**
- **9KB Jumbo Frame Support**
- **IEEE 802.1x Access Control Improve Network Security**
- **Port Mirroring Helps Supervisor Monitoring Network**
- **Q-in-Q VLAN for performance & security and 4094 Vlan entries**
- **Unknown Unicast/Broadcast/Multicast Storm Control**
- **Multicast Vlan Management for IPTV**
- **IP-Mac-Port binding for LAN security**
- **DHCP Option 82 relay agent**
- **QCL Based on Application traffic for QoS and rate limitation management**
- **IEEE 802.1D Compatible, 802.1w Rapid Spanning Tree and 802.1s Multiple Spanning Tree**
- **ACL Based on Ethernet Type / ARP / IPv4 for packets permit or deny, rate limitation and port copy**

SPECIFICATIONS

STANDARD COMPLIANCE
IEEE 802.3x Flow Control capability, IEEE 802.1q VLAN, IEEE 802.1p

PERFORMANCE
Switching capacity:
- 24 Gigabit Ethernet ports with non-blocking wise speed performance
- 8 K MAC addresses
- Supports Jumbo frame support, up to 9K
- Unknown Unicast/Broadcast/Multicast Storm Suppression
- Port Mirroring

VLAN
- Port-base VLAN
- IEEE802.1q tag-base VLAN, up to 4k active VLANs
- Q-in-Q is an efficient method for enabling Subscriber Aggregation.
- Multicast Vlan management

QoS
- Supports QCL for Layer 4 TCP/UDP Port and ToS Classification
- Supports 802.1p QoS with four level priority queue
- Supports priority in a Q-in-Q tag

Bandwidth Control
- Supports bandwidth rating per port ingress and egress rate limit 500Kbps-1000Mbps with 1Kbps

PROTOCOL
LACP:
- Port trunking with 12 trunking group
- Up to 16 ports for each group
GVRP/GARP: 802.1q with GVRP/ GARP
Multicasting: Supports IGMP proxy including active and passive mode
STP/RSTP/MSTP: 802.1d/1w/1s

NETWORK SECURITY
- 802.1x access control for port based and mac based authentication
- Management Access Policy Control
- Access control List
- IP-mac-port binding
- DHCP relay agent

PHYSICAL CHARACTERISTICS
Power Input:
Voltage: 100-240V
Frequency: 50-60 Hz
Consumption: 40W
Dimensions (HxWxD): 44 x 442 x 209 mm
Weight: 2.82 Kg
Ambient Temperature: 0-40°C
Humidity: 5-90% (non-condensing)

REGULATORY APPROVALS EMISSION COMPLIANCE
RoHS

SAFETY
UL
Comply with FCC Part 15 Class A & CE Mark Approval

24-Port GbE L2 Plus Managed Switch

PART NO.	DESCRIPTION
065-7841	24-Port GbE L2 Plus Managed Switch with 4 SFP Dual Media

NETWORK CONNECTIVITY SYSTEMS

SIGNAMAX™
CONNECTIVITY SYSTEMS