

ISCOM2008 Managed L2 Ethernet Switch

ISCOM2000 series is Raisecom new generation managed Ethernet Switch in terms of cost-efficiency, outstanding performance, and high dependability. It implements wire-speed store and forward as well as powerful means of network management features. ISCOM2000 series, including ISCOM2008, ISCOM2016,

and ISCOM2026, is especially suitable for residential community, office building, campus, and enterprise end-users, with provisioning of Fast Ethernet access service for desktop and working groups.

Feature

Forwarding mode	Store-and-forward
Max frame size	1536 Bytes
Port rate limiting	Based on ingress and egress of each port, 64Kbps(0~2M)/1Mbps(2~100M) increment
Storm control	Support storm control of broadcast, multicast and DLF according to port traffic percentage
Port loopback detection	In case a port is connected to a loop circuit, the port will be shut down by Switch automatically; when the loop circuit unchains, the port will recover automatically. This function is configurable.
Multicast	IGMP Snooping V1/V2/V3 Multicast VLAN Registration (MVR)
Spanning tree	STP and RSTP
Link aggregation	Up to 4 truck groups, 8 100M ports in each trunk
Mirror	Port-to-Multiport morroring, separate mirroring of ingress and egress traffic Support blocking of non-mirroring port traffic Configure respectively egress/ingress sampling interval at 1~1023 packet Ingress/egress traffic mirroring based on source/destination MAC address
MAC address table	IEEE802.1D standard address learning MAC address learning function can be enabled/disable on each port 4K MAC address, 100 static MAC address Support MAC address clear/search function Show MAC address and MAC address stats function The number of dynamic learned MAC address can be limited on per port
Flow control	IEEE802.3x in full duplex, back pressure in half duplex
VLAN	IEEE802.1Q, 4K active VLAN
Packet tranparent transmission	BPDU, LACP, IEEE802.1X
Management Feature	
Configuration	CLI/Telnet/console
Help language	English/Chinese
Management	SNMP/RMON groups MIB1, 2, 3 and 9/Raisecom iEMS NMS Support log system and different alarm notification levels
Cluster management	Raisecom Neighbour Discover Protocol (RNDP) Raisecom Topology Discover Protocol (RTDP) Raisecom Cluster Management Protocol (RCMP) Raisecom cluster network management program
Download and upgrade	Support X-modem and FTP upgrade in BOOTROM mode Support upload, upgrade system and configuration files through FTP/TFTP
Schedule	System tasks executed periodically or at appointed time



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Access Ethernet Switch

Specification

Performance	Switching fabric 1.6Gbps
Capacity	16MB SDRAM 2MB flash 256KB Switch buffer 4K MAC address 255 IGMP groups
Management port	1 console (RJ45)
Serial port configuration	9600bps/8bit/none parity/1 stop bit/none flow control
Port specification	10BaseT (RJ45, Cat3/Cat4/Cat5 UTP) 100BaseT (RJ45, Cat5 UTP)
Fixed port	8 (10/100BaseT)
Indicators	Power Supply System (flashing)
Indicators for each port	FDX LNK/ACT 10/100M
Dimension	260(W)*116(D)*38(H)mm
Weight	0.9KG
Power supply	AC: 90~264V, 47~63Hz 0.3A(120V), 0.15A(230V)
Power consumption	≤ 4.5W (at max load)
Working ambience	Temp: 0~45 centigrade RH: 5~90% non-condensing
Storage ambience	Temp: -25~85 centigrade RH: 20~90% non-condensing
Safety compliance	CE marking FCC Class A

Time management	Time and zone management, summer time, SNTP for synchronization
Error tolerance	System error report, immediately recover in case of serious error
Advanced feature	
QoS & ACL	Up to 4 output queues Support IEEE802.1p and DSCP PRI remark
Queue schedule algorithm	Strict Priority (SP), Weighted Round Robin (WRR)
Security policy	Device management access ACL User classification and user name/password protection Support AAA & Radius authentication Support MAC address and port binding Prevent DoS attack Port isolation and protection port
Maintenance	Support debug information print Support PING (Packet Internet Groper) Support Telnet client
Default password restoration	Support

Compliance

Standards & protocols	IEEE802.1w
	IEEE802.3ad
	IEEE802.3x full duplex on
	10BaseT, 100BaseTX
	IEEE802.1D Spanning Tree Protocol
	IEEE802.1p CoS Prioritization
	IEEE802.1Q VLAN
	IEEE802.3 10BaseT
	IEEE802.3u 100BaseTX
	RMON I and II standards
	SNMPv1/v2c/v3

Ordering Information

Part number	Description
ISCOM2008/AC	ISCOM2008 Manageable intelligent aggregation layer-2 switch with 8x10/100M and AC power supply