

## Introduction

ATRS-5200 series switch is 100M access and gigabit uplink L3 access device, has advanced features at security and operation. It is widely used for education, government, enterprise L3 access.

ATRS-5200 series has flexible port combination, with 100M copper and fiber, 1000M fiber and copper. ATRS-5200 has advanced security feature, with large ACL list, to protect device and aggregation, core layer device. With full hardware forward and ASIC based ACL can protect data against virus. At the same time, ATRS-5200 has complete QOS with port granularity with 10k. it has enhanced VLAN function: QinQ , VLAN VPN , Protocol VLAN , Free VLAN.



## Key features

### Powerful ACL

As L3 switch, ATRS-5200 series adopts full ACL policy undertaking data classification and employing specific forwarding policy on a per-packet basis by source or destination IP address, source or destination MAC address, TCP/UDP port number, IP precedence, time range and ToS. Implemented ACL policy, users can filter out virus packets such as Blaster, Code Red at the access layer preventing core equipments from being affected or attacked.

### ❖ Network Protocols Supported

ATRS-5200 series supports 802.1d/w/s spanning tree protocol, 802.1Q, 802.1p, 802.3ad, 802.3x, GVRP, DHCP Server/Client/Relay/Snooping standards, and support SNTP to achieve auto-synchronization. Supports IGMP v1/v2/v3, IGMP v3 Snooping multicast protocol.

ATRS-5200 supports static routing policy, and supports RIPv1/2 Routing protocol.

### ➤ Advanced Quality of Service (QoS)

ATRS-5200 series differentiates and classifies traffic flows according to ports, 802.1p, ToS, DSCP, TCP/UDP ports, and assigns specific service hierarchy. The dispatcher WRR/SP, and ACL stream dispatch supported by ATRS-5200 ensures voice/data/video are properly classified and prioritized throughout the network.

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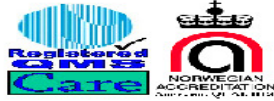
ISO 9001:2000 Certified Company

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➤ **Enhanced Security Management**

ATRS-5200 supports SNMP, supports inbound and out of bound management, supports Security IP function. These can protect the device by illegal intrude. ATRS-5200 supports SSH protocol, and can be managed by LinkManager network management software.

**Feature List**

Item	ATRS-5200-28	ATRS-5200-52
Ports	24x10/100 ports 4 Gigabit Combo(SFP-GT)	48x10/100 ports 4 Gigabit Combo(SFP-GT)
<b>Performance</b>		
Switching Capacity	48.8Gbps	17.6Gbps
Forwarding Rate	36.6Mpps	13.2Mpps
MAC ADDRESS	8k	8k
ACL TABLE	1k	1k
Routing Table	64	64
Queues per port	8 for Gigabits ports, 4 for 10/100M ports	8 for Gigabits ports, 4 for 10/100M ports
VLAN TABLE	4k	4k
<b>Features</b>		
Spanning tree		support
L2	UDLD,LLDP 802.1D / 802.1W / 802.1S LACP	
L3	Static Route, Default Route RIPv1/V2, support MD5, Black hole route, CIDR Route summary L3 Loopback interface VRRP and VRRPv3	

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Multicast	IGMP v1/v2/v3 Snooping & Query MLD v1/v2 snooping MVR for IPv4 and IPv6
QoS for IPv4 and IPv6	4 queues per port · support 802.1p · ToS · application ports number · DifferServ · support WRR/SP
ACL	Support standard ACL & extended ACL · support IP ACL · MAC ACL · IP-MAC ACL · support data packet filtering on the basis of source/destination IP address, source/destination MAC address, IP type, TCP/UDP port number, IP precedence, time range, ToS. Physical interface and Vlan interface based ACL, Flow based redirect,
Enhanced Security Feature	Monitor attacks of ping Sweep · take anti-attack measures, prevent illegal multicast source and limited multicast.
Free-Resource	support
Enhanced ARP functions	Anti ARP cheat, anti ARP sweep, ARP Proxy, ARP guard, ARP binding
Bandwidth management	64Kbps-1000Mbps
MAC operation	Support port/MAC auto-binding, support MAC filtering. Support vlan or port based MAC limit
VLAN	Port based /802.1Q, GVRP · PVLAN, VLAN VPN(QinQ)
Flow Control	Support HOL preventing first packet congestion · semiduplex backpressure · full-duplex IEEE802.3x
DHCP	Support DHCP Client Support DHCP Server Support DHCP Relay and DHCP relay option 82 Support DHCP Snooping and DHCP snooping option 82
Port Aggregation	Support 802.3ad. To the maximum, support 6 teams of trunks, 8 ports per trunk · support destination MAC based load balancing
IEEE802.1x	Support port/MAC address based Support guest vlan and auto vlan
Authentication	RADIUS and TACACS+ for IPv4 and IPv6
Port Mirror Image	Support 1 to 1 or any to 1 mirror
Broadcast Storm Control	Support broadcast/ multicast/ unicast controlled by setting percent

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<b>Management</b>		
management	CLI、WEB、Telnet	
SNMP	v1、v2c、v3	
syslog	support	
User classify	support	
SSH	support	
RMON	1, 2, 3, 9	
MIB	provide	
Management software	LinkManager	
Security IP	support	
<b>Others</b>		
SNTP/NTP	Support for IPv4 and IPv6	
BOOTP	support	
FTP/TFTP	Support for IPv4 and IPv6	
<b>Physical</b>	<b>DCRS-5200-28</b>	<b>DCRS-5200-52</b>
Outline Dimension	440mm×171.2mm×43 mm	440mm×229mm×44mm
Relative Humidity	5% ~ 95% , non-condensing	
Operating Temperature	0℃ ~ 50℃	
Power Supply	AC: 100~240 V AC, 50/60 Hz	
Power Consumption	MAX 30 W	
EMC safety	FCC, CE, ROHS	
MTBF	>80,000 hours	

### Ordering Information

<b>Model</b>	<b>Description</b>
ATRS-5200-52	L3 Light Switch, 48* 10/100Base-TX, 4 fixed Gigabits Combo(SFP/GT)
ATRS-5200-28	L3 Light Switch, 24* 10/100Base-TX, 4 fixed Gigabits Combo(SFP/GT)

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