

Overview

The ATMIS-6408PI V2 is an enhanced, managed, industrial-grade Layer 2+ PoE+ Ethernet switch, designed to deliver reliable performance in demanding environments.

It features:

8 × 10/100/1000 Mbps adaptive RJ45 ports, each supporting IEEE 802.3af/at PoE with up to 30W per port, ideal for powering IP cameras, wireless APs, and other PoE-enabled devices.

4 × 1000 Mbps SFP slots for flexible fiber uplink expansion.

◆ Key Capabilities

Static and Dynamic Routing Support: Simplifies inter-VLAN communication and enhances network efficiency.

MACsec Encryption (IEEE 802.1AE): Ensures secure, encrypted communication at Layer 2, protecting sensitive traffic from interception and tampering.

Advanced Security & QoS: Provides multi-level security mechanisms, traffic prioritization, and bandwidth control for reliable data delivery.

Comprehensive VLAN Features: Supports port-based VLAN, 802.1Q VLAN, and advanced VLAN management for flexible network segmentation.

Industrial Ring Networking: Supports industrial ring network redundancy. In the event of a link failure, traffic is automatically rerouted within milliseconds, ensuring high availability and reliability.



◆ Industrial-Grade Reliability

Rugged design suitable for harsh environments.

The product is designed to meet Ethernet standards, with lightning protection, static protection mechanism, operating temperature range of -40°C to 75°C, stable performance, safety and reliability, can be widely used in intelligent transportation, telecommunications, security, financial securities, customs and other broadband data transmission fields, enclosed IP65 Rating

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com

PRODUCT SPECIFICATION

Model	ATMIS-6408PI
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE802.1q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at
Interface	8*10/100/1000Mbps RJ45 Ports 4*1000Mbps SFP Slots 1 Console Port
Indicator	PWR, LNK/ACT, PoE, SYS
Network Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 5 cable (≤100m) 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo Frame	9216Bytes
Packet Buffer	4.1Mbit
Transfer Mode	Store-and-forward
Packet Forward Speed	17.5Mpps
Switching Capacity	24Gbps
Dimensions(L*W*H)	110*90*46mm
Fan Quantity	Fanless
PoE Power Budget	240W
PoE Port	Port1~8
PoE Power on RJ45	Mode A 1/2 (-), 3/6 (+)
PoE Power Output	30W (MAX)
Green Energy Saving	IEEE 802.3az
Input Power Supply	Dual DC: 48-57V
Operating Temperature	-40°C ~ 75 °C
Storage Temperature	-40 °C ~ 80 °C
Operating Humidity	5% ~ 95% non-condensing
Storage Humidity	0% ~ 95% non-condensing
Surge Protection	Differential mode ±2KV Common mode ±6KV
MTBF	>600000 hour
Electrostatic Standard	Contact ±6KV, Air ±8KV

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com

SOFTWARE SPECIFICATION

L2 Features	MAC Address Table	MAC Address Size
		MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https、SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3)、SNMP Trap
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
	Port Config	Bandwidth Control
		Flow Control
		EEE
		MTU
		CFM (802.1ag)
		EFM OAM (802.3ah)
		DDM
		Storm Control
		Port Isolation
		Port Security
	Discovery	LLDP (802.1ab)
		LLDP-MED
	Link Aggregation	Static
		LACP (802.3ad)
		Load Balance(src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	VLAN	VLAN (802.1Q 4K)
		Access/Trunk/Hybrid
		Private VLAN
		VLAN Filter
		MAC-based VLAN
		Protocol-based VLAN
		IP Subnet-based VLAN
		Voice VLAN
		GVRP/GMRP
	Network Loop Detection	Loopback Detection
		ERPS
	Spanning Tree	STP/RSTP/MSTP
		MSTP Support 64 instance
		BPDU Guard/Root Guard/BPDU Tunnel
	ARP	Static ARP
		Dynamic ARP Inspection
		ARP Quantity Control

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com

IPv4 Related Function	ICMP	Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	IP Forward	Static Route
		Route Aggregation
	Control Multicast	DCSCM
	Multicast VALN	Multicast VALN
		IGMP SNOOPING V1/V2/V3
		Fast Leave
	IGMP	IGMP Proxy
		DHCP Server
		DHCP Client/BOOTP
	DHCP	DHCP Relay
		DHCP Snooping
		DHCP Option 82/43/60/61/67
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Server
		DHCPv6 Relay
		DHCPv6 Snooping
		IPv6 SAVI
		Security RA
	IPv6 Unicast Routing	Static Route
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 ICMP
		IPv6 NeighborDiscovery
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 Duplicate Address Detection
		IPv6 ACL
QoS(Quality Of Service)	Basic	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	Policing	CAR Stream Shaping (leak algorithm)
		Ingress Policing
	Rewrite	COS/802.1p Priority
		IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com

	Queuing	internal-priority
		Ingress/Egress Rewrite
		DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
		COS to DP mapping
ACL	IP-ACL	COS to Queue mapping
		SIP/DIP
		IP Protocol
		IP Priority(DSCP,TOS, Precedence)
	MAC-ACL	TCP,UDP src,dst Port
		SRC/DST MAC
		VLAN
		COS
	IP-MAC ACL	Tag/Untag
		MAC-ACL and IP-ACL
Security	802.1x	User-defined ACL
		Base on user defined profile
		ACL Features
		Based on time period ACL
	802.1x AE	ACL on VLAN
		Based on ACL Stream
		Port Based Authentication
		Support EAPoR
	MAB	MAC-based Authentication
		Guest VLAN
	MAC Address Count Limit	MAC Sec
		Based on Port Authentication
	IP Address Count Limit	Based on MAC Authentication
		Based on Port
Redundancy Related Function	Access Management	Based on VLAN
		Based on Port
		Based on VLAN
		Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Flagment
		IP Segment
		ICMP
	TACACS+	Standard Support
		Standard Support
Flow Monitor Function	Mirror	Client, Support MD5
		SSL
		Openssl 1.1.0
		Support one-to-one, multi to one
Redundancy Related Function	MRPP	Port-based mirror, support ingress, egress, and both
		CPU based mirror
Redundancy Related Function	ULPP	
Redundancy Related Function	ULSM	

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com

PoE	PoE Management	Flow-based mirror
		RSPAN
		ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

ORDERING INFORMATION

Model	Product Information
ATMIS-6408PI	8-Port Gigabit +4G SFP Industrial Fast Ring Managed PoE Switch, Total PoE budget 240watt ,2*DC Powers socket

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com URL : www.andatelecomindia.com