

AT-8100/24POE-ECO

Technische gegevens

AT-8100S/24POE-ECO

24 10/100TX PoE+ ethernet poorten
 2 combo poorten (10/100/1000T-100/1000 SFP)
 2 HDMI stacking poorten

Afmetingen 440 mm x 441 mm x 322 mm
Gewicht 5.00 kg
POE vermogen 370W



Specificaties

128MB RAM
 16MB flash Geheugen
 16K MAC adressen
 266MHz CPU

Wirespeed Switching (Layer 2/3) on all Ethernet Ports

14,880pps for 10Mbps Ethernet
 148,800pps for 100Mbps Ethernet
 1,488,000pps for 1000Mbps Ethernet

Environmental Specifications

Operating temperature: 0°C to 40°C
 Storage temperature: -25°C to 70°C
 Operating humidity: 5% to 90% non-condensing
 Storage humidity: 5% to 95% non-condensing
 Max operating altitude: 3,048 m (10,000 ft)

Port Configuration

Auto-negotiation, duplex, MDI/MDI-X, IEEE 802.3x flow control/back pressure
 Head of Line (HOL) blocking prevention
 Broadcast storm control
 Link flap protection
 Group link control
 Port mirroring

Ethernet Specifications

RFC 894 Ethernet II encapsulation
 IEEE 802.1D MAC bridges
 IEEE 802.1Q Virtual LANs
 IEEE 802.2 Logical link control
 IEEE 802.3ac VLAN TAG
 IEEE 802.1ax-2008 (LACP) link aggregation
 IEEE 802.3u 100TX
 IEEE 802.3x Full-duplex operation
 IEEE 802.3z Gigabit Ethernet
 IEEE 802.3af Power over Ethernet class 3
 IEEE 802.3at Power over Ethernet class 4
 Jumbo frames (9198 bytes)

Quality of Service (QoS)

Eight egress queues per port
 Engless rate limiting
 Voice VLAN
 Automatic QoS
 IEEE 802.1p Class of Service with strict and weighted round robin scheduling
 RFC 2474 DSCP for IP-based QoS
 RFC 2475 Differentiated services architecture
 Layer 2, 3 and 4 criteria

Link Aggregation

IEEE 802.3ad LACP - 8 groups
 Static link aggregation - 24 groups»

Link Discovery

IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
 Link Layer Discovery Protocol-Media Endpoint (LLDP-MED)

Spanning-Tree Protocol

IEEE 802.1D Spanning-Tree Protocol
 IEEE 802.1D-2004 Rapid Spanning-Tree Protocol
 IEEE 802.1q-2005 Multiple Spanning-Tree Protocol (15 instances)
 BPDU guard
 Loop guard
 Root guard

VLAN

4096 VLANs (IEEE 802.1Q)
 Port-based VLANs
 MAC-based VLANs – 256
 IP subnet-based VLANs – 256
 Port-based Private VLANs
 GARP VLAN Registration Protocol (GVRP)

MIB Support

RFC 1213 MIB-II
 RFC 1215 TRAP MIB
 RFC 1493 Bridge MIB
 RFC 2863 Interfaces group MIB
 RFC 1643 Ethernet-like MIB

RFC 2618 RMON MIB
RFC 2674 IEEE 802.1Q MIB
RFC 2096 IP forwarding table MIB
Allied Telesis Managed Switch MIB

Management

RFC 854 Telnet server
Console management port
AlliedWare Plus CLI
Web GUI
Enhanced Stacking
RFC 1866 HTML
RFC 2068 HTTP
RFC 2616 HTTPS
RFC 1350 TFTP
zModem
RFC 1305 SNMP
RFC 1155 MIB
RFC 1157 SNMPv1
RFC 1901 SNMPv2c
RFC 3411 SNMPv3
RFC 1757 RMON 4 groups: Stats, History, Alarms and Events
RFC 3164 Syslog protocol (client)
Event log
RFC 3176 sFlow
Auto config

General Protocols

RFC 768 UDP
RFC 791 IP
RFC 792 ICMP
RFC 793 TCP
RFC 826 ARP
RFC 950 Subnetting, ICMP
RFC 1027 Proxy ARP
RFC 1035 DNS
RFC 1122 Internet host requirements
DHCP client
DHCP snooping
DHCP option 82
RFC 3046 DHCP relay
RFC 951 BootP

IP Multicast

RFC 1112 IGMPv1 snooping
RFC 2236 IGMPv2 snooping
IGMPv2 snooping querier
Multicast groups – 255

IPv6

IPv6 host
IPv6 ACL
ICMPv6
Dual-stack IPv4/IPv6 management
IPv6 applications: WEB/SSL, Telnet server/SSH

Security / IEEE 802.1x

TACACS+
RFC 2865 RADIUS client
RFC 2866 RADIUS accounting
IEEE 802.1x port-based Network Access Control (NAC)

Supplicant
Authenticator
IEEE 802.1x multiple supplicant mode
Piggy-back mode
Per port MAC address limiting
Per port MAC address filtering
MAC address security/lockdown
RFC 1321 MD-5
EAP, EAP-TLS, LEAP, PEAP, TTLS
Dynamic VLANs
Guest VLANs
Secure VLANs
Layer 2/3/4/ Access Control Lists (ACLs)
SSLv3 for Web management
SSL
SSH
SSH session Time out
Microsoft NAP compliant
Symantec NAC support

IP Routing

Static IPv4 routing – 4K
RIPv1, v2
Proxy ARP

Stacking Features

10Gbps stacking bandwidth via dedicated HDMI stacking ports
Hardware stack up to eight units (208 ports)* using
HDMI stacking ports or stack up to 24 units using Enhanced Stacking
Single system appearance
Single IP management
Backup master
Link aggregation / trunking across hardware stack
Port mirroring across stack
VLAN across stack
Maximum HDMI stacking cable length 1m

Compliance Standards

IEEE 802.3 – 10T
IEEE 802.3u – 100TX with auto-negotiation
IEEE 802.3ab – 1000T Gigabit Ethernet
100FX SFP support
1000X SFP support

Safety and Electromagnetic Emissions Certifications

EMI: FCC class A, CISPR class A, EN55022 class A, C-TICK, VCCI Class A,
CE, EN601000-3-2, EN601000-3-3
Immunity: EN55024
Safety: UL 60950-1 (cULus), EN60950-1 (TUV), EN60825

RoHS Standards

Compliant with European and China RoHS standards

Package Description

AT-8100S/xx switch
AC power cord(s)
Management cable (RJ-45 to DB-9)
Rubber feet for desktop installation
19" rack mountable hardware kit
HDMI stacking cable (1 meter)

Aan deze folder kunnen geen rechten worden ontleend. Mextal behoudt zich het recht voor de configuratie van de omschreven units te wijzigen.

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