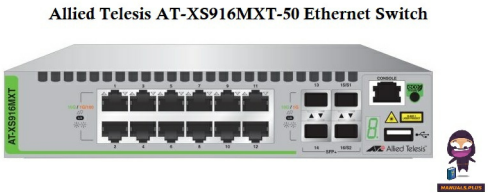
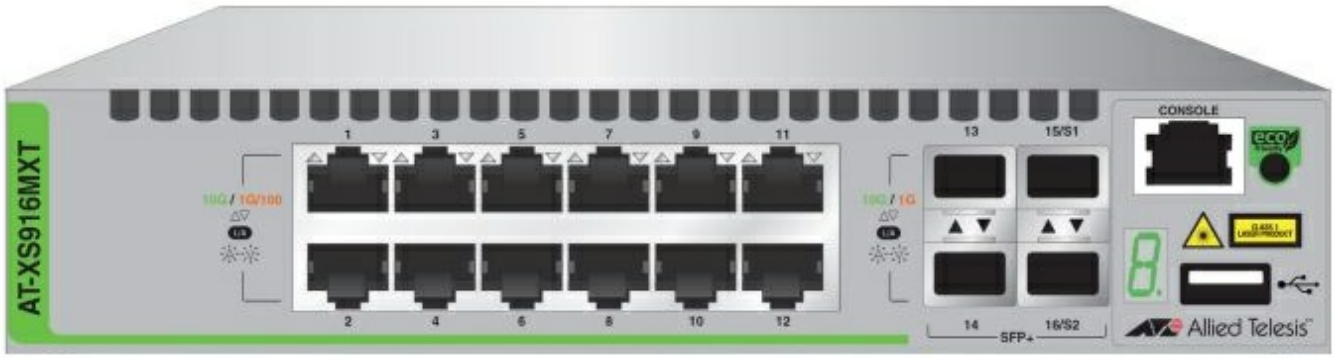


Allied Telesis AT-XS916MXT-50 Ethernet Switch Specifications and Datasheet

Contents

Allied Telesis

Allied Telesis AT-XS916MXT-50 Ethernet Switch



For details, please visit “[Installation Guide]”

CentreCOM XS900MX Series

Layer 3 10G Stackable Managed Switches

The XS916MXT and XS916MXS switches offer cost-effective, high-speed 10G connectivity for servers and storage, and support 100/1000 connections for existing networks. The XS900MX Series enables a highly flexible and reliable network, which can easily scale to meet increasing traffic demands.

Overview

The XS900MX Series are the ideal 10G access switches for enterprise networks or anywhere a relay switch with a 10G uplink is required. The switches also make the ideal core or aggregation switch, to connect servers and storage in a small network.

The XS916MXT features 12 x

100/1000/10GBASE-T and 4 x SFP+ slots. The AT-XS916MXS features 4 x 100/1000/10GBASE-T and 12 x SFP+ slots.

Easy management

- The XS900MX Series switches feature Allied Telesis Autonomous Management FrameworkTM Plus (AMF Plus), a sophisticated suite of management tools that provides a simplified approach to network management.
- Common tasks are automated or made so simple that the everyday running of a network can be achieved without the need for highly trained, and expensive, network engineers. Powerful features like centralized management, auto-backup, auto-upgrade, auto-provisioning and auto-recovery enable plug-and-play networking and zero-touch management.

Resiliency

- **Ethernet Protection Switching Ring**
  (EPSRingTM) and 10 Gigabit Ethernet allows several XS900MX Series switches to form a protected ring capable of recovery within as little as 50ms. This feature is perfect for high performance and high availability in enterprise networks.
- **Stackable**
  Flexi-stacking allows a user to stack two XS900MX Series switches, with the choice of using 10G SFP+ direct

attach cables or RJ45 copper connectivity. VCStack provides a highly available system where network resources are spread out across stacked units, reducing the impact if one of the units fails. With VCStack and the XS900MX Series, up to 28 x 10G ports can be provisioned as a single virtual switch in one rack unit.

- **Enhanced security**
  A secure network environment is guaranteed, with powerful control over network traffic types, secure management options, and other multi-layered security features built right into the XS900MX Series switches:
  - Tri-Authentication
  - Multiple Dynamic VLAN
  - Enhanced Guest VLAN
  - Auth-fail VLAN
  - Promiscuous/intercept web authentication
  - Two-step web authentication

Advanced security features include

- Port security
- SSH to secure remote access environment
- DHCP snooping
- RADIUS/TACACS – User authentication database
- Encryption and authentication of SNMPv3

Key Features

- Allied Telesis Autonomous
  - Management FrameworkTM Plus (AMF Plus) supports auto-recovery, zero-touch configuration, and auto-backup
- AMF Plus secure mode
- AMF Plus edge node
- Vista Manager EX compatible
- Ethernet Protection Switching Ring (EPSRingTM)
- RIP, OSPF, and static routing
- Unicast and Multicast routing
- Mixed hardware Virtual Chassis Stacking (VCStackTM)—two units
- Flexi-stacking
- **Compact size:** units can be mounted side by side on an optional rackmount bracket
- **Extended operating temperature:** up to 50°C
- DHCP relay
- IPv6 management and forwarding
- IEEE802.1x/MAC/web authentication support
- Loop guard prevents network loops
- Front to back cooling
- Graphical User Interface (GUI) for easy management

Specifications

- **Performance**
  - 40 Gbps of stacking bandwidth
  - 9 KB L2 and L3 jumbo frames
  - Wirespeed multicasting
  - Up to 16K MAC addresses
  - 2 M Byte Packet Buffer
  - 96 MB flash memory
  - 4094 configurable VLANs
- **Power Characteristics**
  - 100-240 VAC, 47-63 Hz
- **Expandability**
  - Stack two units with SFP+ direct attach or copper RJ45 cables
- **Flexibility and Compatibility**
  - Port speed and duplex configuration can be set manually or by auto-negotiation

Diagnostic Tools

- Find-me device locator
- Automatic link flap detection and port shutdown
- Optical Digital Diagnostic Monitoring (DDM)
- Ping polling and TraceRoute for IPv4 and IPv6
- Port mirroring
- Unidirectional Link Detection (UDLD)

IP Features

- Black hole routing
- RIP and static routing for IPv4 (16 routes)
- Extended routing with premium license – Static routing (128 routes), RIP (256 routes), OSPF (256 routes)
- IPv4 and IPv6 dual stack
- Device management over IPv6 networks with SNMPv6, Telnetv6, and SSHv6
- NTP client
- Log to IPv6 hosts with Syslog v6
- IPv6 Ready certified

Management

- Allied Telesis Autonomous Management Framework Plus (AMF Plus) enables powerful centralized management and zero-touch device installation and recovery
- Manage the XS900MX Series with Vista Manager EX – a graphical single-pane-of-glass monitoring and management tool for AMF Plus networks, which also supports wireless and third-party devices
- From AW+ 5.5.2-2, an AMF Plus license operating in the network provides all standard AMF network

management and automation features and also enables the AMF Plus intent-based networking features menu in Vista Manager EX (from version 3.10.1 onwards)
- Console management port on the front panel for ease of access
- GUI for easy management
- Eco-friendly mode allows ports and LEDs to be disabled to save power
- Industry-standard CLI with context-sensitive help
- Powerful CLI scripting engine
- Comprehensive SNMP MIB support for standards-based device management
- Built-in text editor
- Event-based triggers allow user-defined scripts to be executed upon selected system events
- USB interface allows software to release files, configurations and other files to be stored for backup and distribution to other devices

Quality of Service (QoS)

- priority queues with a hierarchy of high-priority queues for real-time traffic, mixed scheduling, for each switch port
- Limit bandwidth per port or per traffic class down to 64kbps
- Wirespeed traffic classification with low latency essential for VoIP and real-time streaming media applications
- Policy-based QoS on VLAN, port, MAC, and general packet classifiers
- Policy-based storm protection
- Extensive remarking capabilities
- Taildrop for queue congestion control
- Strict priority, weighted round-robin or mixed scheduling
- I P precedence and DiffServ marking based on layer 2, 3 and 4 headers

Resiliency features

- Control Plane Prioritization (CPP) ensures the CPU always has sufficient bandwidth to process network control traffic
- Dynamic link failover (host attach)
- EPSRing (Ethernet Protection Switched Rings) with enhanced recovery and SuperLoop Protection (SLP)
- ESPR Master (with premium license)
- Link aggregation (LACP) on LAN ports
- **Loop protection:** loop detection and thrash limiting
- PVST+ compatibility mode
- RRP snooping
- Spanning Tree (STP, RSTP, MSTP)
- STP root guard
- VCStack’s fast failover minimizes network disruption

Security features

- Access Control Lists (ACLs) based on layer 3 and 4 headers

- ACL Groups enable multiple hosts/ports to be included in a single ACL, reducing configuration
- Auth-fail and guest VLANs
- Authentication, Authorisation and Accounting (AAA)
- The bootloader can be password-protected for device security
- BPDU protection
- DHCP snooping, IP source guard, and Dynamic ARP Inspection (DAI)
- Dynamic VLAN assignment
- DoS attack blocking and virus throttling
- Network Access and Control (NAC) features manage endpoint security
- Port-based learn limits (intrusion detection)
- Private VLANs provide security and port isolation for multiple customers using the same VLAN
- Secure Copy (SCP)
- Strong password security and encryption
- Tri-authentication: MAC-based, web-based and IEEE 802.1x

Physical specifications

- **Dimensions (W x D x H):** 21.0 cm x 32.3 cm x 4.3 cm (8.3 in x 12.7 in x 1.7 in)
- **Weight:**
  - XS916MXT: 2.8 kg (6.1 lb)
  - XS916MXS: 2.7 kg (5.9 lb)

Packaged:

- **Dimensions (W x D x H):** 40.0 cm x 33.0 cm x 15.0 cm (15.7 in x 13.0 in x 5.9 in)
- **Weight:**
  - **XS916MXT:** 4.5 kg (9.9 lb)
  - **XS916MXS:** 4.2 kg (9.3 lb)

Environmental Specifications

- **Operating temperature range:** 0°C to 50°C (32°F to 122°F)
- **Storage temperature range:** -25°C to 70°C (-13°F to 158°F)
- **Operating humidity range:** 5% to 90% non-condensing
- **Storage humidity range:** 5% to 95% non-condensing
- **Operating altitude:** 3,000 meters maximum (9,843 ft)

Safety and Electromagnetic Emissions

- **RFI (Emissions):**
  - FCC Class A
  - EN55022 Class A
  - EN61000-3-2
  - EN61000-3-3

- VCCI Class A
- RCM

- **EMC (Immunity):** EN55024
- **Electrical and Laser Safety:**
  - UL 60950-1 (cULus)
  - CSA-C22 No. 60950-1 (cULus)
  - EN60950-1 (TUV)
  - EN60852-1 (TUV)

Product specifications

PRODUCT	100/1000/10G BASE-T (RJ-45) COPPER PORT	SFP/SFP+ SLOT	SWITCHING FAB RIC	FORWARDING RA TE
XS916MXT	12	4	320Gbps	238Mpps
XS916MXS	4	12	320Gbps	238Mpps

Power and noise characteristics

PRODUCT	MAX POWER CONSUMPTIO N	MAX HEAT DISSIPATION	NOISE
XS916MXT	78W	270 BTU/h	42 dBA
XS916MXS	53W	180 BTU/h	42 dBA

Latency

PRODUCT	64byte			1518byte		
	100Mbps	1000Mbps	10Gbps	100Mbps	1000Mbps	10Gbps
XS916MXT	6.93µs	2.40µs	1.35µs	6.93µs	2.40µs	2.51µs
XS916MXS	6.88µs	2.80µs	2.35µs	6.90µs	2.82µs	3.49µs

Cryptographic Algorithms

FIPS Approved Algorithms

Encryption (Block Ciphers):

- AES (ECB, CBC, CFB, and OFB Modes)
- DES (ECB, CBC, CFB, and OFB Modes)

Block Cipher Modes:

- CCM
- CMAC
- GCM
- XTS

Digital Signatures & Asymmetric Key Generation:

- DSA
- ECDSA
- RSA

Secure Hashing:

- SHA-1
- SHA-2 (SHA-224, SHA-256, SHA-384, SHA-512)

Message Authentication:

- HMAC (SHA-1, SHA-2(224, 256, 384, 512)

Random Number Generation:

- DRBG (Hash, HMAC, and Counter)

Non-FIPS Approved Algorithms

- RNG (AES128/192/256)
- DES
- MD5

Ethernet Standards

- IEEE 802.2 Logical Link Control (LLC)
- IEEE 802.3 Ethernet
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3ae 10 Gigabit Ethernet
- IEEE 802.3an 10GBASE-T
- IEEE 802.3x Flow control – full-duplex operation
- IEEE 802.3z 1000BASE-X

IPv4 Features

- RFC 768 User Datagram Protocol (UDP)
- RFC 791 Internet Protocol (IP)

- RFC 792 Internet Control Message Protocol (ICMP)
- RFC 793 Transmission Control Protocol (TCP)
- RFC 826 Address Resolution Protocol (ARP)
- RFC 894 Standard for the transmission of IP datagrams over Ethernet networks
- RFC 919 Broadcasting Internet datagrams
- RFC 922 Broadcasting Internet datagrams in the presence of subnets
- RFC 932 Subnetwork addressing scheme
- RFC 950 Internet standard subnetting procedure
- RFC 1027 Proxy ARP
- RFC 1035 DNS client
- RFC 1042 Standard for the transmission of IP datagrams over IEEE 802 networks
- RFC 1071 Computing the Internet checksum
- RFC 1122 Internet host requirements
- RFC 1191 Path MTU discovery
- RFC 1256 ICMP router discovery messages
- RFC 1518 An architecture for IP address allocation with CIDR
- RFC 1519 Classless Inter-Domain Routing (CIDR)
- RFC 1591 Domain Name System (DNS)
- RFC 1812 Requirements for IPv4 routers
- RFC 1918 IP addressing
- RFC 2581 TCP congestion control

IPv6 Features

- RFC 1981 Path MTU discovery for IPv6
- RFC 2460 IPv6 specification
- RFC 2464 Transmission of IPv6 packets over Ethernet networks
- RFC 2711 IPv6 router alert option
- RFC 3484 Default address selection for IPv6
- RFC 3587 IPv6 global unicast address format
- RFC 3596 DNS extensions to support IPv6
- RFC 4007 IPv6 scoped address architecture
- RFC 4193 Unique local IPv6 unicast addresses
- RFC 4213 Transition mechanisms for IPv6 hosts and routers
- RFC 4291 IPv6 addressing architecture
- RFC 4443 Internet Control Message Protocol (ICMPv6)
- RFC 4861 Neighbor discovery for IPv6
- RFC 4862 IPv6 Stateless Address Auto-Configuration (SLAAC)
- RFC 5014 IPv6 socket API for source address selection
- RFC 5095 Deprecation of type 0 routing headers in IPv6 Management

Management: AMF Plus edge node1

- AT Enterprise MIB including AMF Plus MIB and SNMP traps

- SNMPv1, v2c, and v3
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

SNMP Standards:

- RFC 1155 Structure and identification of management information for TCP/IP-based Internets
- RFC 1157 Simple Network Management Protocol (SNMP)
- RFC 1212 Concise MIB definitions
- RFC 1213 MIB for network management of TCP/IP-based Internets: MIB-II
- RFC 1215 Convention for defining traps for use with the SNMP
- RFC 1227 SNMP MUX protocol and MIB
- RFC 1239 Standard MIB
- RFC 1724 RIPv2 MIB extension
- RFC 2578 Structure of Management Information v2 (SMIv2)
- RFC 2579 Textual conventions for SMIv2
- RFC 2580 Conformance statements for SMIv2
- RFC 2674 Definitions of managed objects for bridges with traffic classes, multicast filtering and VLAN extensions
- RFC 2741 Agent extensibility (AgentX) protocol
- RFC 2819 RMON MIB (groups 1,2,3 and 9)
- RFC 2863 Interfaces group MIB
- RFC 3411 An architecture for describing SNMP management frameworks
- RFC 3412 Message processing and dispatching for the SNMP
- RFC 3413 SNMP applications
- RFC 3414 User-based Security Model (USM) for SNMPv3
- RFC 3415 View-based Access Control Model (VACM) for SNMP
- RFC 3416 Version 2 of the protocol operations for the SNMP
- RFC 3417 Transport mappings for the SNMP
- RFC 3418 MIB for SNMP

Ethernet Standards:

- RFC 3635 Definitions of managed objects for the Ethernet-like interface types
- RFC 4022 MIB for the Transmission Control Protocol (TCP)
- RFC 4113 MIB for the User Datagram Protocol (UDP)
- RFC 4292 IP forwarding table MIB
- RFC 4293 MIB for the Internet Protocol (IP)
- RFC 5424 Syslog protocol

Multicast Support:

- IGMP query solicitation
- IGMP snooping (IGMPv1, v2, and v3)
- IGMP snooping fast-leave

- MLD snooping (MLDv1 and v2)
- RFC 2715 Interoperability rules for multicast routing protocols
- RFC 3306 Unicast-prefix-based IPv6 multicast addresses
- RFC 4541 IGMP and MLD snooping switches

Open Shortest Path First (OSPF):

- OSPF link-local signaling
- OSPF MD5 authentication
- OSPF restart signaling
- Out-of-band LSDB resync
- RFC 1245 OSPF protocol analysis
- RFC 1246 Experience with the OSPF protocol
- RFC 1370 Applicability statement for OSPF
- RFC 1765 OSPF database overflow
- RFC 2328 OSPFv2

1 The XS900MX Series support AMF Plus edge. AMF Plus edge is for products used at the edge of the network, and only support a single AMF Plus link. They cannot use cross links or virtual links.

- RFC 2370 OSPF opaque LSA option
- RFC 3101 OSPF Not-So-Stubby Area (NSSA) option
- RFC 3509 Alternative implementations of OSPF area border routers
- RFC 3623 Graceful OSPF restart
- RFC 3630 Traffic engineering extensions to OSPF

Quality of Service (QoS):

- IEEE 802.1p Priority tagging
- RFC 2211 Specification of the controlled-load network element service
- RFC 2474 DiffServ precedence for eight queues/port
- RFC 2475 DiffServ architecture
- RFC 2597 DiffServ Assured Forwarding (AF)
- RFC 2697 A single-rate three-color marker
- RFC 2698 A two-rate three-color marker
- RFC 3246 DiffServ Expedited Forwarding (EF)

Resiliency:

- IEEE 802.1AX Link aggregation (static and LACP)
- IEEE 802.1D MAC bridges
- IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.3ad Static and dynamic link aggregation

Routing Information Protocol (RIP):

- RFC 1058 Routing Information Protocol (RIP)
- RFC 2082 RIP-2 MD5 authentication
- RFC 2453 RIPv2

Security:

- SSH remote login
- SSLv2 and SSLv3
- TACACS+ Accounting, Authentication, Authorization (AAA)
- IEEE 802.1X authentication protocols (TLS, TTLS, PEAP, and MD5)
- IEEE 802.1X multi-supplicant authentication
- IEEE 802.1X port-based network access control
- RFC 2560 X.509 Online Certificate Status Protocol (OCSP)
- RFC 2818 HTTP over TLS (“HTTPS”)
- RFC 2865 RADIUS authentication
- RFC 2866 RADIUS accounting
- RFC 2868 RADIUS attributes for tunnel protocol support
- RFC 2986 PKCS #10: certification request syntax specification v1.7
- RFC 3546 Transport Layer Security (TLS) extensions
- RFC 3579 RADIUS support for Extensible Authentication Protocol (EAP)
- RFC 3580 IEEE 802.1x RADIUS usage guidelines
- RFC 3748 PPP Extensible Authentication Protocol (EAP)
- RFC 4251 Secure Shell (SSHv2) protocol architecture
- RFC 4252 Secure Shell (SSHv2) authentication protocol
- RFC 4253 Secure Shell (SSHv2) transport layer protocol
- RFC 4254 Secure Shell (SSHv2) connection protocol
- RFC 5176 RADIUS CoA (Change of Authorization)
- RFC 5246 Transport Layer Security (TLS) v1.2
- RFC 5280 X.509 certificate and Certificate Revocation List (CRL) profile
- RFC 5425 Transport Layer Security (TLS) transport mapping for Syslog
- RFC 5656 Elliptic curve algorithm integration for SSH
- RFC 6125 Domain-based application service identity within PKI using X.509 certificates with TLS
- RFC 6614 Transport Layer Security (TLS) encryption for RADIUS
- RFC 6668 SHA-2 data integrity verification for SSH

Services:

- RFC 854 Telnet protocol specification
- RFC 855 Telnet option specifications
- RFC 857 Telnet echo option
- RFC 858 Telnet suppress go ahead option
- RFC 1091 Telnet terminal-type option

- RFC 1350 Trivial File Transfer Protocol (TFTP)
- RFC 1985 SMTP service extension
- RFC 2049 MIME
- RFC 2131 DHCPv4 client
- RFC 2616 Hypertext Transfer Protocol – HTTP/1.1
- RFC 2821 Simple Mail Transfer Protocol (SMTP)
- RFC 2822 Internet message format
- RFC 4330 Simple Network Time Protocol (SNTP) version 4
- RFC 5905 Network Time Protocol (NTP) version 4

VLAN support

- IEEE 802.1Q Virtual LAN (VLAN) bridges
- IEEE 802.1v VLAN classification by protocol and port
- IEEE 802.3ac VLAN tagging

Voice over IP (VoIP)

- LLDP-MED ANSI/TIA-1057
- Voice VLAN

Ordering information

- **AT-XS916MXT-xx:** 12-port 100/1000/10G Base-T (RJ-45) stackable switch with 4 SFP/SFP+slot
- **AT-XS916MXS-xx:** 12 SFP/SFP+ slot stackable switch with 4-port 100/1000/10G Base-T (RJ-45)

- Where xx = 10 for the US power cord
  - 20 for no power cord
  - 30 for the UK power cord
  - 40 for Australian power cords 50 for the European power cords

Small Form Pluggable (SFP) modules

1000Mbps SFP modules

- **AT-SPSX**
  1000SX GbE multi-mode 850 nm fiber up to 550 m
- **AT-SPEX**
  1000X GbE multi-mode 1310 nm fiber up to 2 km
- **AT-SPLX10**
  1000LX GbE single-mode 1310 nm fiber up to 10 km
- **AT-SPLX40**
  1000LX GbE single-mode 1310 nm fiber up to 40 km

10G SFP+ modules

- **AT-SP10SR**
  10GSR 850 nm short-haul, 300 m with MMF
- **AT-SP10SR/I**
  10GSR 850 nm short-haul, 300 m with MMF industrial temperature
- **AT-SP10LR**
  10GLR 1310 nm medium-haul, 10 km with SMF
- **AT-SP10LR/I**
  10GLR 1310 nm medium-haul, 10 km with SMF industrial temperature
- **AT-SP10ER40/I**
  10GER 1310nm long-haul, 40 km with SMF industrial temperature

Feature Licenses

- **AT-SP10ZR80/I**
  10GER 1550 nm long-haul, 80 km with SMF industrial temperature
- **AT-SP10TM**
  1G/2.5G/5G/10G, 100m copper, TAA1
- **AT-SP10BD10/I-12**
  10 GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to 10 km industrial temperature, TAA1
- **AT-SP10BD10/I-13**
  10 GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to 10 km industrial temperature, TAA1
- **AT-SP10BD20-12**
  10 GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to 20 km, TAA1
- **AT-SP10BD20-13**

10 GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to 20 km, TAA1

- **AT-SP10BD40/I-12**

  10 GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to 40 km industrial temperature, TAA1
- **AT-SP10BD40/I-13**

  10 GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to 40 km industrial temperature, TAA1

10GbE SFP+ Cables

- **AT-SP10TW1**

  1 meter SFP+ direct attach cable, can also be used as a stacking cable
- **AT-SP10TW3**

  3 meter SFP+ direct attach cable, can also be used as a stacking cable

Accessories

- **AT-RKMT-J15**

  Rack mount kit to install two devices side by side in a 19-inch equipment rack
- **AT-STND-J03**

  Stand-kit for AT-XS916MXT and AT-XS916MXS
  - 1 Trade Act Agreement compliant

NAME	DESCRIPTION	INCLUDES	STACK LICENSING
AT-FL-XS9MX-01	XS900MX premium license	IPv4 Static routing (128 routes) RIP (256 routes) OSPFv2 (256 routes) PIMv4-SM, DM, and SSM EPSR master	One license per stack member
AT-FL-XS9X-UDLD	Unidirectional Link Detection	UDLD	One license per stack member

- 617-000582 RevU

Frequently Asked Questions

What are the key features of the Allied Telesis AT-XS916MXT-50 Ethernet Switch?

The AT-XS916MXT-50 Ethernet Switch features 12 x 100/1000/10GBASE-T (RJ-45) copper ports and 4 x SFP+ slots. It supports a switching fabric of 320Gbps and a forwarding rate of 238Mpps.

What is the purpose of the XS900MX Series switches?

The XS900MX Series switches are designed for 10G access in enterprise networks and can serve as access, core, or aggregation switches. They provide high-speed 10G connectivity for servers and storage while supporting 100/1000 connections for existing networks.

How is network management simplified with the XS900MX Series switches?

The XS900MX Series switches feature the Allied Telesis Autonomous Management FrameworkTM Plus (AMF Plus), which offers a suite of management tools for simplified network management. It includes features like centralized management, auto-backup, auto-upgrade, auto-provisioning, and auto-recovery for plug-and-play networking.

What resiliency features does the XS900MX Series offer?

The XS900MX Series supports Ethernet Protection Switching Ring (EPSRingTM), enabling switches to form a protected ring for rapid recovery in enterprise networks. Additionally, it offers stackable options for redundancy and high availability.

What security features are available on the XS900MX Series switches?

The XS900MX Series switches offer a range of security features, including Tri-Authentication, multiple dynamic VLANs, enhanced guest VLANs, Auth-fail VLAN, promiscuous/intercept web authentication, and more. These features enhance network security and control over network traffic.

What are the physical specifications of the XS916MXT-50 and XS916MXS-50 switches?

The XS916MXT-50 weighs 2.8 kg and has dimensions of 21.0 cm x 32.3 cm x 4.3 cm. The XS916MXS-50 weighs 2.7 kg and has the same dimensions. Both switches operate in an extended temperature range of up to 50°C.

What are the power and noise characteristics of these switches?

The XS916MXT-50 consumes a maximum of 78W and generates a maximum heat dissipation of 270 BTU/h with a noise level of 42 dBA. The XS916MXS-50 consumes a maximum of 53W, generates 180 BTU/h of heat, and has a noise level of 42 dBA.

What are the latency characteristics of these switches?

The latency for different packet sizes on these switches ranges from 1.35µs to 6.93µs for 10Gbps ports, depending on the packet size.

What cryptographic algorithms and security protocols are supported by these switches?

The switches support various cryptographic algorithms, including AES, DES, RSA, SHA-1, SHA-2, and more. They also offer features like SSH, SSL, TACACS+, and IEEE 802.1X authentication.

What is the purpose of Flexi-stacking with the XS900MX Series switches?

Flexi-stacking allows users to stack two XS900MX Series switches using either 10G SFP+ direct attach cables or RJ45 copper connectivity. This provides flexibility and redundancy, and up to 28 x 10G ports can be provisioned as a single virtual switch in one rack unit.

Can the XS916MXT and XS916MXS switches support IPv6 management and forwarding?

Yes, both switches support IPv6 management and forwarding, making them suitable for modern networks that use IPv6 alongside IPv4.

What is the purpose of Ethernet Protection Switching Ring (EPSRingTM)?

EPSRingTM is a resiliency feature that allows several XS900MX Series switches to form a protected ring capable of recovering within as little as 50ms. It is ideal for high-performance and high-availability requirements in enterprise networks.

Download The PDF link: **Allied Telesis AT-XS916MXT-50 Ethernet Switch Specifications and Datasheet**

References

- **User Manual**