48-port 10/100/1000T, 4-port 100/1000X SFP L3 switch, 1 Fixed AC p supply

DESCRIPTION

The Allied Telesis x220 Series are fully-managed high-performing Gigabit Layer 3 switches. Integrated security features, plus 28 SFP or 48 Gigabit copper ports, make them the ideal choice for long-distance fiber or high-density copper connectivity at the edge of the network.

The x220-28GS features 24 x 100/1000X SFP slots and 4 x 100/1000X SFP uplinks to provided extended reach at the network edge in distributed environments. Secure data transfer is ensured with Allied Telesis Active Fiber Monitoring (AFM) preventing data eavesdropping on all short and long-distance fiber links.

The x220-52GP/GT have 48 x 10/100/1000T RJ-45 copper ports and 4x 100/1000X SFP uplinks. The Power over Ethernet Plus (PoE+) model (52GP) is an ideal solution for connecting and remotely powering wireless access points, IP video surveillance cameras and IP phones.

A comprehensive feature-set provides an excellent access solution for todays networks, with high performance gigabit throughput.

Resilient
Allied Telesis Ethernet Protection Switched Ring (EPSRing) enables distributed network segments to have resilient high-speed access to online resources and applications, and provides continuous traffic flow even during unscheduled outages.

Powerful network management
Meeting the increased management requirements of modern converged networks, Allied Telesis Autonomous Management Framework (AMF) automates many everyday tasks including configuration management. The entire network can be managed as a single virtual device with powerful centralized management features. Growing the network can be accomplished with plug-and-play simplicity, and network node recovery is fully zero-touch.

AMF secure mode increases network security with management traffic encryption, authorization and monitoring.

Secure
Network security is guaranteed, with powerful control over all traffic types, secure management options, and other multi-layered security features built right into the x220 Series.

Network Access Control (NAC) gives unprecedented control over user access to the network, successfully mitigating threats to

network infrastructure.

The x220 Series use 802.1x port-based authentication, in partnership with standards-compliant dynamic VLAN assignment, to assess a users adherence to network security policies and either grant access or offer remediation. Tri-authentication ensures the network is only accessed by known users and devices. Secure access is also available for guests.

Security from malicious network attacks is provided by a comprehensive range of features such as DHCP snooping, STP root guard, BPDU protection and access control lists. Each of these can be configured to perform a variety of actions upon detection of a suspected attack.

Network protection
Advanced storm protection features include bandwidth limiting, policy-based storm protection and packet storm protection.

Network storms are often caused by cabling errors that result in a network loop. The x220 Series provides features to detect loops as soon as they are created. Loop detection and thrash limiting take immediate action to prevent network storms.

Effortless management
The x220 Series runs the advanced AlliedWare Plu fully featured operating system, delivering a rich feature set and an industry-standard Command Line Interface (CLI). This reduces training requirements and is consistent across all AlliedWare Plus devices, simplifying network management.

The web-based Graphical User Interface (GUI) is an easy-to-use and powerful management tool, with comprehensive monitoring facilities.

TECHNICAL CHARACTERISTICS

Brand : ALLIED TELESIS
Part number : AT-X220-52GT-50
Réseau :
Full duplex : Y
Design :
Certification : UL, cUL, UL-EU, UL60950-1, CAN/CSA-C22.2 No. 60950-1-03, EN60950-1, EN60825-1, AS/NZS 60950.1
Access Control List (ACL) : Y
ARP inspection : Y
Authentication : MAC-based authentication, Port-based authentication, Web-based authentication
Basic switching RJ-45 Ethernet ports quantity : 48
Basic switching RJ-45 Ethernet ports type : Gigabit Ethernet (10/100/1000)
BPDU filtering/protection : Y
Broadcast storm control : Y
Configuring Location Settings (CLI) : Y
Copper ethernet cabling technology : 10BASE-T, 100BASE-FX, 100BASE-T, 1000BASE-LX, 1000BASE-SX, 1000BASE-T
Depth : 323 mm
DHCP features : DHCP client, DHCP snooping, DHCPv6 client
Electromagnetic compatibility : EN55022 class A, FCC class A, VCCI class A,
Fiber ethernet cabling technology : 100BASE-BX, 100BASE-FX, 1000BASE-SX, 1000BASE-X, 1000BASELX, 1000BASEZX
Flash memory : 128 MB
Flow control support : Y
Form factor : 1U
Forwarding rate : 77.4 Mpps
Harmonized System (HS) code : 8517.62.0050
Heat dissipation : 160 BTU/h
Height : 44 mm
IGMP snooping : Y

Internal memory : 512 MB
IP routing : Y
IPv4 multicast entries : 16
IPv6 multicast entries : 16
Jumbo frames : 10000
Jumbo frames support : Y
Latency (1 Gbps) : 5.5 µs
Latency (10 Gbps) : 2.6 µs
Latency (10-100 Mbps) : 35.1 µs
LED indicators : Y
Link aggregation : Y
Loop protection : Y
MAC address filtering : Y
MAC address table : 16000 entries
Management protocols : AMF MIB, SNMP, IEEE 802.1AB, MIB, RIPv2
Memory type : DDR-SDRAM
Multicast Listener Discovery (MLD) snooping : MLDv1 and v2
Multicast support : Y
Networking standards : IEEE 802.1ab, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Noise level : 39 dB
Number of queues : 8
Number of VLANs : 4094
Operating altitude : 0 - 3048 m
Operating relative humidity (H-H) : 5 - 90%
Operating temperature (T-T) : 0 - 50 °C
Package depth : 445 mm
Package height : 150 mm
Package weight : 6.4 kg
Package width : 575 mm
Packet buffer memory : 3 MB
Password protection : Y
Policy-based routing : Y
Power connector : AC-in jack
Power consumption (max) : 47 W
Power over Ethernet (PoE) : N
Power supply included : Y
Product colour : Grey
Quality of Service (QoS) support : Y
Rack mounting : Y
Routing protocols : RIP, RIP-1, RIP-2
Security algorithms : 802.1x RADIUS, EAP, HTTPS, SSH, SSH-2, SSL/TLS
SFP module slots quantity : 4
Spanning tree protocol : Y
SSH/SSL support : Y
Stackable : Y
Static route : Y
Storage relative humidity (H-H) : 5 - 95%
Storage temperature (T-T) : -25 - 70 °C
Switch layer : L3
Switch type : Managed
Switching capacity : 104 Gbit/s
Traffic classification : Y
Virtual LAN features : Port-based VLAN, Tagged VLAN, VLAN mapping

VLAN support : Y
Wavelength : 1310 nm
Web-based management : Y
Weight : 4.5 kg
Width : 441 mm