

Indus.managed PoE+ switch, 16 z 10/100/1000TX PoE+ ports and 2 z 100/1000X SFP



DESCRIPTION

The Allied Telesis IE210L Series of Industrial-Lite Ethernet Gigabit Layer 2 switches are built for enduring performance at high ambient temperatures, making them ideal for indoor IoT applications and physical security.

The Allied Telesis IE210L Series are wire-speed Layer 2 switches for industrial-lite Ethernet applications. With Power over Ethernet Plus (PoE+), and support for high operating temperatures of up to 65°C, IE210L switches tolerate the harsh and demanding environments found in industrial deployments.

These high-performing, cost-effective switches provide network managers with several key features, including port-based VLANs, IEEE 802.1p, QoS, port trunking/link aggregation, port mirroring, priority queues, and IEEE 802.1x security support.

With support for up to 16K MAC addresses, the IE210L Series is the ideal option for integrating management into any network solution.

Device management is provided via an industry-standard CLI, web-based Graphical User Interface (GUI), SNMP, Telnet and SSH, as well as the Allied Telesis Autonomous Management Framework (AMF).

Powerful network management

AMF meets the increased management requirements of modern converged networks, automating many everyday tasks including configuration management. AMF has powerful centralized management features that manage a complete network as a single virtual device. The network can be expanded 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. AMF Guestnode allows third-party devices, such as security cameras, to be part of an AMF network.

Secure

Network security is guaranteed, with powerful control over network traffic types, secure management options, and other multi-layered security features built right into the IE210L.

Network Access Control (NAC) gives unprecedented control over user access to the network, in order to mitigate threats to network infrastructure.

Allied Telesis IE210L switches 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, while 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 (ACLs). 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. IE210L switches provide features to detect loops as soon as they are created. Loop detection and thrash limiting take immediate action to prevent network storms.

Network resiliency

The convergence of network services in the Enterprise has led to increasing demand for highly-available networks with minimal downtime. The IE210L Series supports highly-stable and reliable network switching with a recovery time of less than 50ms.

You can customize the IE210L with the most appropriate mechanism and protocol to prevent network connection failure. Choices include Allied Telesis Ethernet Protection Switched Ring (EPSRing), and the standard ITU-T G.8032.

Future-proof

The IE210L switches are Software-Defined Networking (SDN) ready and are able to support OpenFlow v1.3.

TECHNICAL CHARACTERISTICS

Brand : ALLIED TELESIS
Part number : AT-IE210L-18GP-60
Réseau :
Full duplex : Y
Design :
Certification : UL, cUL, UL60950-1, CAN/CSA-C22.2 No. 60950-1-03, EN60950-1, EN60825-1, AS/NZS 60950.1
10G support : N
AC input frequency : 50/60 Hz
AC input voltage : 100 - 240 V
Access Control List (ACL) : Y
ARP inspection : Y
Authentication : MAC-based authentication, Port-based authentication, Web-based authentication
Authentication type : IEEE 802.1x, Network Access Control (NAC), RADIUS
Basic switching RJ-45 Ethernet ports quantity : 16
Basic switching RJ-45 Ethernet ports type : Gigabit Ethernet (10/100/1000)
BPDU filtering/protection : Y
Configuring Location Settings (CLI) : Y
Copper ethernet cabling technology : 10BASE-T, 100BASE-FX, 100BASE-T, 1000BASE-LX, 1000BASE-SX, 1000BASE-T
Depth : 231 mm
DHCP features : DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay
Electromagnetic compatibility : EN55032 class A, FCC class A, VCCI class A, ICES-003 class A, EN55024, EN61000-3-2 (harmonic), EN61000-3-3 (flicker)
Flash memory : 128 MB
Flow control support : Y
Forwarding rate : 26.8 Mpps
Gigabit Ethernet (copper) ports quantity : 16
Harmonized System (HS) code : 85176990
Heat dissipation : 169 BTU/h
Height : 44 mm

IGMP snooping : Y
Input current : 4.2 A
Internal memory : 512 MB
Jumbo frames : 10000
Jumbo frames support : Y
Latency (1 Gbps) : 7.9 µs
Latency (10 Gbps) : 3.4 µs
Latency (10-100 Mbps) : 56 µs
LED indicators : Y
Link aggregation : Y
Loop protection : Y
MAC address entries : Blackhole MAC address entries
MAC address filtering : Y
MAC address table : 16000 entries
Memory type : DDR3-SDRAM
MIB support : Comprehensive SNMP
Multicast Listener Discovery (MLD) snooping : MLDv1 and v2
Multicast MAC address table : 512 entries
Multicast support : Y
Networking standards : IEEE 802.1Q, IEEE 802.1ad, IEEE 802.1v, IEEE 802.2, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Noise level : 33 dB
Number of queues : 8
Number of VLANs : 2048
Operating altitude : 0 - 3048 m
Operating relative humidity (H-H) : 5 - 95%
Operating temperature (T-T) : 0 - 65 °C
Package depth : 360 mm
Package height : 150 mm
Package weight : 4.35 kg
Package width : 430 mm
Policy-based routing : Y
Port mirroring : Y
Power connector : AC-in jack
Power consumption (max) : 21 W
Power over Ethernet (PoE) : Y
Power over Ethernet (PoE) ports quantity : 16
Power over Ethernet (PoE) power per port : 15 W
Power over Ethernet plus (PoE+) ports quantity : 8
Power supply included : Y
Product colour : Grey
Quality of Service (QoS) support : Y
Rack mounting : Y
Security algorithms : 802.1x RADIUS, HTTPS, MD5, PEAP, SSH, SSH-2, SSL/TLS, TTLS
SFP module slots quantity : 2
Spanning tree protocol : Y
SSH/SSL support : Y
Stackable : Y
Static route : Y
Storage relative humidity (H-H) : 5 - 95%
Storage temperature (T-T) : -30 - 70 °C
Switch layer : L2
Switch type : Managed
Switching capacity : 36 Gbit/s

System event log : Y

Total Power over Ethernet (PoE) budget : 247 W

Traffic classification : Y

Virtual LAN features : Policy-based VLAN, VLAN Identifier (VLAN ID)

VLAN support : Y

Web-based management : Y

Weight : 3 kg

Width : 341 mm