

Allied AT-x530L-52GPX Switch L3 48 PoE+ & 4 SFP+ 10G/1G



DESCRIPTION

Stackable Intelligent Layer 3 Switch

The Allied Telesis x530L-52GPX stackable Layer 3 switch features high capacity, resiliency and easy management, making it the ideal choice for network access applications.

Overview

The Allied Telesis x530L-52GPX is a high-performing and feature-rich choice for today's networks, featuring 48 Gigabit ports and 4 x 10 Gigabit uplinks. Combined with the ability to stack multiple units, the x530L-52GPX provides a versatile solution for enterprise applications.

Powerful network management

Allied Telesis Autonomous Management Framework (AMF) automates many everyday tasks including configuration management, easing the workload of modern networks. The entire network can be managed as a single virtual device with powerful centralized 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. AMF Guestnode allows third-party devices, such as IP phones and security cameras, to be part of the AMF network.

Network resiliency

Today's converging online services means there is increasing demand for highly-available networks with minimal downtime. Allied Telesis VCStack, in conjunction with link aggregation, provides a network with no single point of failure and application resiliency.

x530L-52GPX switches can form a VCStack of up to 4 units for enhanced resiliency and simplified device management. Mixed stacking allows the x530L-52GPX to stack with x530 Series Switches. Long Distance Stacking (VCStack LD), which enables stacks to be created over long distance fiber links, makes the x530L-52GPX the perfect choice for distributed environments too.

Allied Telesis Ethernet Protection Switched Ring (EPSRing), and the standards-based G.8032 Ethernet Ring Protection, ensure that distributed network segments have high-speed, resilient access to online resources and applications.

Reliable

The x530L-52GPX was designed with reliability in mind, and guarantees continual delivery of essential services. With dual built-in power supplies and near-hitless online stack reconfiguration, maintenance can be performed without affecting network uptime.

Secure

A secure network environment is guaranteed. The x530L-52GPX offers powerful control over network traffic types, secure management options, loop guard to protect against cabling mistakes, and tri-authentication for comprehensive access control.

Future proof

The x530L-52GPX ensures a future-proof network, with superior flexibility and the ability to stack multiple units. All x530L-52GPX models feature 10 Gigabit uplink ports and a comprehensive IPv6 feature set, to ensure they are ready for future network traffic demands.

Environmentally friendly

The x530L-52GPX supports Energy Efficient Ethernet (EEE), automatically reducing the power consumed by the switch whenever there is no traffic on a port. This sophisticated feature significantly lowers operating costs by reducing the power requirements of the switch and any associated cooling equipment

TECHNICAL CHARACTERISTICS

Brand : ALLIED TELESIS

Part number : AT-X530L-52GPX-50

Réseau :

Full duplex : Y

Auto MDI/MDI-X : Y

Design :

Certification : UL, cUL, RoHS UL60950-1, CAN/CSA-C22.2 No. 60950-1-03, EN60950-1, EN60825-1, AS/NZS 60950.1

10G support : Y

Access Control List (ACL) : Y

Authentication : Guest VLAN, MAC-based authentication, Web-based authentication

Authentication type : IEEE 802.1x

Auto-negotiation : Y

Basic switching RJ-45 Ethernet ports quantity : 48

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-TX, 1000BASE-T

Depth : 421 mm

DHCP features : DHCPv6 client, DHCPv6 relay, DHCPv6 server

Electromagnetic compatibility : EN55032 A, FCC A, VCCI A, ICES-003 A

Export Control Classification Number (ECCN) : 5A992C

Fiber ethernet cabling technology : 100BASE-X, 1000BASE-X

Flash memory : 256 MB

Flow control support : Y

Forwarding rate : 130.9 Mpps

Harmonized System (HS) code : 85176990

Heat dissipation : 3242 BTU/h

Height : 44 mm

IGMP snooping : Y

Internal memory : 1024 MB

Jumbo frames : 10000

Jumbo frames support : Y

Loop protection : Y

MAC address filtering : Y

MAC address table : 16000 entries

Manual : Y

Memory type : DDR3-SDRAM
Multicast support : Y
Networking standards : IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1ad, IEEE 802.1v, IEEE 802.2, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ac, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Noise level : 42 dB
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 : 534 mm
Package height : 128 mm
Package weight : 8.9 kg
Package width : 563 mm
Packet buffer memory : 3 MB
Password protection : Y
Physical stacking (units) : 4
Port mirroring : Y
Power consumption (max) : 950 W
Power over Ethernet (PoE) : Y
Power over Ethernet plus (PoE+) ports quantity : 48
Product colour : Grey
Quality of Service (QoS) support : Y
Rack mounting : Y
Security algorithms : HTTPS, PEAP, SHA-2, SNMP, SSH-2, SSL/TLS, TTLS
SFP+ module slots quantity : 4
Stackable : Y
Storage relative humidity (H-H) : 5 - 95%
Storage temperature (T-T) : -25 - 70 °C
Switch layer : L3
Switch type : Managed
Switching capacity : 176 Gbit/s
Total Power over Ethernet (PoE) budget : 740 W
Virtual LAN features : Private VLAN, Tagged VLAN
VLAN support : Y
Web-based management : Y
Weight : 6.7 kg
Width : 441 mm