

Allied Telesis AT x530L-28GPX(AT-X530L-28GPX-30)

Allied Telesis AT x530L-28GPX - Switch - L3 - Managed - 24 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ (uplink) - rack-mountable - PoE+ (740 W)



The Allied Telesis x530L series are a high-performing and feature-rich choice for today's networks. AMF secure mode increases network security with management traffic encryption, authorization and monitoring. A secure network environment is guaranteed. The x530L series offers powerful control over network traffic types, secure management options, loop guard to protect against cabling mistakes, and tri-authentication for comprehensive access control. The x530L series was designed with reliability in mind, and guarantees continual delivery of essential services.

Key Selling Points

- 128 Gbps switching capacity for high-speed connectivity
- Supports extensive Layer 3 routing protocols for advanced network configurations
- 24 PoE+ ports with a total PoE budget of 740 W to power connected devices
- Stackable design with Virtual Chassis Stacking (VCStack) for scalability
- Comprehensive security features including 802.1x authentication and encryption support

Product Features

- Robust performance**
With a switching capacity of 128 Gbps and a forwarding rate of 95.2 Mpps, the Allied Telesis AT x530L-28GPX ensures efficient data flow and high-speed connectivity, making it ideal for demanding network environments.
- Enhanced security**
This switch comes equipped with a comprehensive suite of security features including 802.1x authentication, Dynamic ARP Inspection (DAI), and support for various encryption algorithms like DES, RSA, and SSL, ensuring a secure network infrastructure.
- Advanced networking capabilities**
Featuring Layer 3 advanced switching, support for multiple routing protocols including OSPF, BGP, and RIP, and Virtual Chassis Stacking (VCStack) capability, the device offers flexibility and scalability for growing network demands.
- Power over Ethernet Plus (PoE+) support**
With 24 PoE+ ports providing up to 30 W per port and a total PoE budget of 740 W, this switch can power a wide range of PoE devices, simplifying deployment and reducing cabling complexity.
- Comprehensive management and monitoring**
Manageable via CLI, SNMP, and RMON, with support for sFlow and remote management protocols, this switch offers extensive monitoring and management capabilities for efficient network operation.

Main Specifications

Product Description	Allied Telesis AT x530L-28GPX - switch - 28 ports - Managed - rack-mountable
Device Type	Switch - 28 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ (uplink)
Power Over Ethernet (PoE)	PoE+
PoE Budget	740 W
Performance	Switching capacity: 128 Gbps Forwarding rate: 95.2 Mpps Stacking bandwidth: 40 Gbps Latency (10 Mbps): 29.91 Latency (100 Mbps): 6.06 Latency (1 Gbps): 3.98 Latency (10 Gbps): 1.63
Capacity	Virtual interfaces (VLANs): 4094 Packet buffer size: 3 MB OpenFlow flows: up to 1250

MAC Address Table Size	16K entries
Jumbo Frame Support	10KB
Routing Protocol	OSPF, RIP, BGP-4, RIP-2, BGP, IGMPv2, IGMP, VRRP, OSPFv2, PIM-SM, static IP routing, PIM-DM, IGMPv3, OSPF for IPv6, OSPFv3, PIM-SSM, ECMP, policy-based routing (PBR), RIPng, MLDv2, MLD, VRRPv3, CIDR, MSTP, RSTP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, CLI, SLP, SCP, SNMP 6, SSH 6, SFTP, SMTP, NTP, ICMP, DHCP, IPv6, RSTP, TACACS+, RADIUS
Features	DHCP support, BOOTP support, ARP support, OCSP support, Syslog support, DoS attack prevention, DiffServ support, SNTP support, sFlow, DHCP snooping, ACL support, QoS, MLD snooping, DAI, PVST+, STP Root Guard, UDLD, LACP support, LLDP support, DHCP relay, RSPAN, DNS relay, DHCP client, Energy Efficient Ethernet, MIB, NAC, GVRP, 802.1x authentication, ERPS, MLD proxy, IP source guard, EPSRing, VCStack, BPDU, ICMP, black hole routing, CPP, AMF, BIST, Cable fault locator (TDR), DDM, AAA, Loop Guard, VLAN mirroring, DNS client, NTP client, CFM, LLDP-MED, storm protection, UDP, proxy ARP, EEE, VACM, router advertisement guard, PPP
Compliant Standards	IEEE 802.2, IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ac, IEEE 802.1s, X.509, IEEE 802.1ad, IEEE 802.1v, ANSI/TIA-1057, IEEE 802.1ag, IEEE 802.1ab (LLDP), IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX, ITU-T G.8032
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	44.1 cm x 42.1 cm x 4.4 cm
Weight	6.2 kg
Localisation	United Kingdom

Extended Specification

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	50 °C
Humidity Range Operating	5 - 90% (non-condensing)
Min Storage Temperature	-25 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 95% (non-condensing)

Power

Power Device	Internal power supply
Installed Qty	2
Voltage Required	AC 120/230 V (50/60 Hz)

Power Consumption Operational 890 Watt

General

Device Type	Switch - 28 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ (uplink)
Power Over Ethernet (PoE)	PoE+
PoE Budget	740 W
Performance	Switching capacity: 128 Gbps Forwarding rate: 95.2 Mpps Stacking bandwidth: 40 Gbps Latency (10 Mbps): 29.91 Latency (100 Mbps): 6.06 Latency (1 Gbps): 3.98 Latency (10 Gbps): 1.63
Capacity	Virtual interfaces (VLANs): 4094 Packet buffer size: 3 MB OpenFlow flows: up to 1250

MAC Address Table Size	16K entries
Jumbo Frame Support	10KB
Max Units In A Stack	4
Routing Protocol	OSPF, RIP, BGP-4, RIP-2, BGP, IGMPv2, IGMP, VRRP, OSPFv2, PIM-SM, static IP routing, PIM-DM, IGMPv3, OSPF for IPv6, OSPFv3, PIM-SSM, ECMP, policy-based routing (PBR), RIPng, MLDv2, MLD, VRRPv3, CIDR, MSTP, RSTP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, CLI, SLP, SCP, SNMP 6, SSH 6, SFTP, SMTP, NTP, ICMP, DHCP, IPv6, RSTP, TACACS+, RADIUS
Encryption Algorithm	DES, Triple DES, RSA, MD5, TLS, SHA-1, SSL 3.0, SSL 2.0, PEAP, TTLS, SHA-2, TLS 1.2, CRL
Authentication Method	Secure Shell (SSH), RADIUS, X.509 certificates, TACACS+, Secure Shell v.2 (SSH2) , Extensible Authentication Protocol (EAP)
Features	DHCP support, BOOTP support, ARP support, OSCP support, Syslog support, DoS attack prevention, DiffServ support, SNTP support, sFlow, DHCP snooping, ACL support, QoS, MLD snooping, DAI, PVST+, STP Root Guard, UDLD, LACP support, LLDP support, DHCP relay, RSPAN, DNS relay, DHCP client, Energy Efficient Ethernet, MIB, NAC, GVRP, 802.1x authentication, ERPS, MLD proxy, IP source guard, EPSRing, VCStack, BPDU, ICMP, black hole routing, CPP, AMF, BIST, Cable fault locator (TDR), DDM, AAA, Loop Guard, VLAN mirroring, DNS client, NTP client, CFM, LLDP-MED, storm protection, UDP, proxy ARP, EEE, VACM, router advertisement guard, PPP
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RAM	1 GB DDR3 SDRAM
Flash Memory	256 MB
Status Indicators	Status, fault

Miscellaneous

Compliant Standards	FCC Class A certified, UL, cUL, EN 61000-3-2, EN 61000-3-3, EN55024, AS/NZS 60950-1, ICES-003 Class A, UL 60950-1, EN 60950-1, EN 60825-1, CAN/CSA C22.2 No. 60950-1-03, VCCI Class A, China RoHS, EN 55032 Class A, EU RoHS
Localisation	United Kingdom

Dimensions & Weight

Width	44.1 cm
Depth	42.1 cm
Height	4.4 cm
Weight	6.2 kg

Dimensions & Weight (Shipping)

Shipping Width	57.7 cm
Shipping Depth	54.8 cm
Shipping Height	15.3 cm
Shipping Weight	8.4 kg

Expansion / Connectivity

Interfaces	24 x 10/100/1000 Base-T RJ-45 PoE+ - 30 W 4 x 1000Base-X/10GBase-X SFP+ uplink 2 x network stack device
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