

LANCOM GS-1326

Websmart 26-port Gigabit Ethernet Switch for cost-effective networks

The websmart switch LANCOM GS-1326 is the ideal choice for networks in small and medium-sized businesses. Able to network up to 26 devices, it offers a compelling price/performance ratio. It is equipped with 24 Gigabit Ethernet ports and 2 combo ports (Ethernet or fiber optics) and it supports a wide range of security features. The switch is operated via a user-friendly web interface.

- 24 Gigabit Ethernet and 2 combo ports (TP/SFP)
- Security with configurable access control on all ports based on IEEE 802.1X
- VLAN and QoS support
- Browser-based configuration
- IPv6 and IPv4 support for modern networks

LANCOM Systems

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Reliable networking for up to 26 devices

The LANCOM GS-1326 is equipped with 24 Gigabit Ethernet ports and 2 combo ports (Ethernet or fiber optics). This makes the switch a reliable basis for modern network infrastructures in small and medium-sized businesses.

Configurable access control

The LANCOM GS-1326 stops rogue clients from gaining unauthorized access to the network. This is ensured by secured access control on all ports as per IEEE 802.1X (port-based, single-based, multi-based, and MAC-based).

Browser-based configuration

The switch is managed with a user-friendly web interface. The LANCOM GS-1326 supports VLAN tagging based on IEEE 802.1q and makes it easy to assign VLANs to the desired switch ports. What's more, the incoming and outgoing data traffic is reliably prioritized with a wide range of QoS features.

IPv6 and IPv4 support

Thanks to the dual-stack implementation, the LANCOM GS-1326 operates in pure IPv4, pure IPv6, or in mixed networks. This means that it can be managed via both IP address standards, which makes it fully future-proof.

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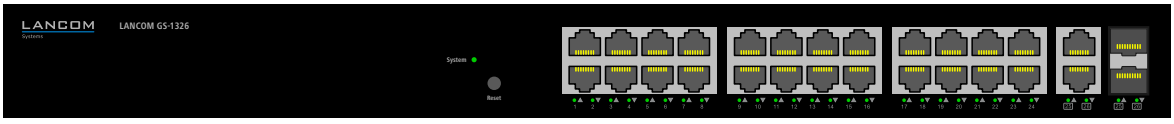
Security	
IEEE 802.1X	IEEE 802.1X access control on all ports; RADIUS for authentication, authorization and accounting with MD5 hashing; guest VLAN; dynamic VLAN assignment
Private VLAN edge	Layer 2 isolation between clients in the same VLAN ('protected ports''); support multiple uplinks
Port security	Locking of MAC addresses to ports; limiting of the number of learned MAC addresses
IP source guard	Blocking access for illegal IP addresses on specific ports
Access control lists	Drop or rate limitation of connections based on source and destination MAC addresses, VLAN ID, IP address, protocol, port, DSCP/IP precedence, TCP/UDP source and destination ports, IEEE 802.1p priority, ICMP packets, IGMP packets, TCP flag
RADIUS	Authentication, authorization and accounting of configuration changes by RADIUS
Storm Control	Multicast/Broadcast/Unicast storm suppression
Isolated Group	Allows certain ports to be designated as protected. All other ports are non-isolated. Traffic between isolated group members ist blocked. Traffic can only be sent from isolated group to non-isolalted group.
Performance	
Switching technology	Store and forward with latency less than 4 microseconds
MAC addresses	Support of max 8K MAC addresses
Throughput	Max. 52 Gbps on the backplane
Maximum packet processing	38.69 million packets per second (mpps) at 64-byte packets
VLAN	Port based and IEEE 802.1q tag based VLAN with up to 4,096 VLAN and up to 4,000 active VLANs; Supports ingress and egress packet filter in port based VLAN
Jumbo frame support	Jumbo frame support with up to 9k frames
Energy efficiency (Green Ethernet)	
Energy detection	Energy efficiency according to IEEE 802.3az. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for short cable
Layer 2 switching	
Link Aggregation Control Protocol (LACP)	Support of 13 groups containing up to 4 ports each according to IEEE 802.3ad
VLAN	Support for up to 4K VLANs simultaneously (out of 4096 VLAN Ids); matching due to port, IEEE 802.1q tagged VLANs or MAC adresses
Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS
IGMP multicasts	IGMP v1, v2, v3 to limit bandwidth-intensive multicast traffic to ports with requesters; supports 256 multicast groups; source-specific multicasting
IGMP querier	Support of multicast domains of snooping switches in the absence of a multicast router
IGMP proxy	IGMP proxy to pass IGMP messages through
Generic VLAN registration	VLAN registration with GVRP according to IEEE 802.1q for automatic delivery of VLANs in bridged domains
Spanning Tree Protokoll (STP) / Rapid STP / Multiple STP	Standard Spanning Tree according to IEEE 802.1d with fast convergence support of IEEE 802.1w (RSTP); using Multiple Spanning Tree instances by default according to IEEE 802.1s (MSTP)
Interfaces	
Ethernet	■ 24 TP ports 10/100/1000 Mbps ■ 2 combo ports (TP/SFP) with 100/1000 Mbps (SFP) and 10/100/1000 Mbps (TP) ■ 26 concurrent Ethernet ports in total
Management and monitoring	
WEBconfig	Integrated web server with setup wizard for the configuration via Internet browsers with HTTP or HTTPS. Web interface with system dashboard, configuration menu, maintenance and monitoring functions

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Management and monitoring	
Port Mirroring	Traffic can be mirrored from on port to another for investigation with network analyzer or RMON probe. Up to 8 ports can be mirrored to a single mirror port. Single sessions can be selected
Security	Access rights (read/write) can be set up separately, access control list
SNMP	SNMP management via SNMPv1, v2c or v3 with support of traps. User-based security model for SNMPv3 (USM)
Diagnosis	Diagnosis from the switch with PING and cable diagnosis
Firmware update	■ Update via WEBconfig and browser (HTTP/HTTPS) ■ Update via TFTP and LANconfig ■ Dual firmware image to update during operation
DHCP client	Automatic assignement of the management IP address by DHCP
SNTP	Automatic time settings with Simple Network Time Protocol (SNTP)
Hardware	
Weight	5,50 lbs (2,50 kg)
Power supply	Internal power supply unit (110–230 V, 50-60 Hz)
Environment	Temperature range 0–40° C; humidity 10–90%; non-condensing
Housing	Robust metal housing, 19" 1U (442 x 44 x 170,3 mm > W x H x D) with removable mounting brackets, network connectors on the front
Fans	None; fanless design without rotating parts, high MTBF
Power consumption (max)	23 watt
Declarations of conformity*	
CE	EN 60950-1, EN 55022, EN 55024
FCC	FCC Part 15 (CFR47) Class A
*) Note	You will find all declarations of conformity in the products section of our website at www.lancom-systems.eu
Supported IEEE standards	
IEEE 802.1AB	Link Layer Discovery Protocol (LLDP)
IEEE 802.1AB	LLDP-MED
IEEE 802.1ad	Q-in-Q tagging
IEEE 802.1d	MAC Bridging
IEEE 802.1d	Spanning Tree
IEEE 802.1p	Class of Service
IEEE 802.1q	VLAN
IEEE 802.1s	Multiple Spanning Tree Protocol (MSTP)
IEEE 802.1w	Rapid Spanning Tree Protocoll (RSTP)
IEEE 802.1X	Port Based Network Access Control
IEEE 802.3	10Base-T Ethernet
IEEE 802.3ab	1000Base-TX Ethernet
IEEE 802.3ad	Link Aggregation Control Protocol (LACP)
IEEE 802.3az	Energy Efficient Ethernet
IEEE 802.3u	100Base-T Ethernet
IEEE 802.3x	Flow Control

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Supported IEEE standards	
IEEE 802.3z	1000Base-X Ethernet
Supported RFC standards	
RFC 1215	SNMP Generic Traps
RFC 1769	Simple Network Time Protocol (SNMP)
RFC 2613	SMON MIB
RFC 2617	HTTP Authentication
RFC 2818	Hypertext Transfer Protocol Secure (HTTPS)
RFC 2819	Remote Network Monitoring MIB (RMON)
RFC 2863	Interface Group MIB using SMIv2
RFC 2933	IGMP MIB
RFC 3414	User based Security Model for SNMPv3
RFC 3415	View based Access Control Model for SNMP
RFC 4668	RADIUS Authentication Client MIB
RFC 4670	RADIUS Accounting MIB
Scope of delivery	
Manual	Hardware Quick Reference (EN, DE), Installation Guide (DE/EN)
Cable	IEC power cord
19" brackets	Two 19" brackets for rackmounting
Support	
Warranty	2 years, support via hotline and Internet KnowledgeBase
LANCOM Warranty Advanced Option S	Option for replacement of a defective device, item no. 10715
Accessories	
1000Base-SX SFP module	LANCOM SFP-SX-LC1, item no. 61556
1000Base-LX SFP module	LANCOM SFP-LX-LC1, item no. 61557
Item number(s)	
LANCOM GS-1326 (EU)	61438 (EU)
LANCOM GS-1326 (UK)	61439 (UK)



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