. . . c o n n e c t i n g y o u r b u s i n e s s

LANCOM GS-1224

Web-smart switch with SNMP and power-save functions

- 24-port layer-2 switch with four combo ports (TP/SFP)

- Port-based QoS, 802.1p or TOS/DiffServ

- 802.1x authentication on all ports

- Monitoring via SNMP and LANmonitor

- VLAN support

- Fanless design

- Low power consumption and automatic port deactivation

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Systems

Managed switches exceed the requirements of many networks, which often makes them just too expensive. Web-smart switches present a good alternative where console-based configuration is not a requirement. The LANCOM GS-1224 is setting new standards for Web-smart switches: This new switch offers the usual security features such as 802.1x authentication on all ports, and it allows for monitoring via SNMP and LANmonitor. It also features effective power-save functions. These include the adaptation of power requirements to the cable length, and automatic deactivation of unused ports. The fanless design of this switch has two main advantages: It is an energy saver and it makes the switch so quiet that it can be employed unobtrusively in offices and on business premises.

More Efficiency.

The LANCOM GS-1224 can re-route data packets when network glitches occur. The rapid spanning tree algorithm is so fast at this that users do not notice any delay. Just as important as the rapid spanning tree algorithm is the efficient control of bandwidth. This ensures that important applications such as IP telephony are constantly provided with ample bandwidth to avoid interruptions to conversations. The winners are your budget and the environment: The LANCOM GS-1224 makes do with a power consumption of just 20 W, about one-third less than other conventional switches on the market. And yet the LANCOM GS-1224 can do more: It adapts its power consumption to the length of the network cables. With shorter network cabling, power consumption is reduced. The only power consumed is that which is actually required for data transfer. The LANCOM GS-1224 switches off unused ports automatically.

More Security.

The LANCOM GS-1224 gives you the assurance that rogue clients cannot access your network via this switch. Configuring 802.1x access control for all ports ensures that unauthorized devices plugged into a switch port cannot gain access to the network.

Rest assured that all your network components are compatible: LANCOM switches are the perfect link between LANCOM routers and LANCOM access points. In order for the wireless virtual networks (VLANs) supported by our access points to match-up seamlessly to an external, cabled IPsec-based VPN, the switches at the junctions must be able to recognize the different VLANs and forward the data accordingly. The LANCOM GS-1224 can do this, allowing you to benefit from convergent, professional network technology from a single source.

More Management.

The LANCOM GS-1224 stands for easy operability without compromising on security. Managing the switch is easy with the clearly structured, user-friendly WEBconfig. Port mirroring allows the close observation of network traffic. And there's yet more you can do: With the free LANCOM Management Tools including LANconfig and LANmonitor, we offer not only direct access to the devices via WEBconfig but also the direct observation of the GS-1224's performance in the network.

More advantages

Excellence in technology combined with outstanding energy efficiency and environmental protection are backed up by the superb LANCOM Service. LANCOM exceeds legal warranty requirements to offer a five-year warranty on the LANCOM GS-1224. All of this comes to you with an optimal price/performance ratio.

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Quality of Service	
DiffServ/TOS	Port based (VIP Port), 802.1p, Priority queuing of packets based on DiffServ/TOS fields
Port priority	Supports four level priority queues to prioritize inbound and outbound traffic
Security	
802.1x	802.1x access control on all ports, user-based
Broadcast Storm Control	Multicast/Broadcast/Unknown unicast storm suppression
Performance	
Switching technology	Store and forward with latency less than 5 µs
MAC addresses	Support of max 8K MAC addresses
Throughput	max. 48 Gbps on the backplane
VLAN	Port based and IEEE 802.1q tag based VLAN with up to 4,096 VLAN and up to 24 active VLANs
Jumbo Frame Support	Jumbo frame support with up to 9k frames
LAN protocols	
Link Aggregation Control Protocol (LACP)	Maximum of 8 groups, max 12 member per group
Multicasting	Supports IGMP snooping
Spanning Tree Protokoll (STP) / Rapid STP	802.1d/1w
Interfaces	
Ethernet ports	20 TP ports 10/100/1000 Mbps and 4 Combo ports TP/SFP 10/100/1000 Mbps, Deactivation of Unused Ports and providing of power dependend upon the cable length
Management	
Port Mirroring	Support 1:N port mirroring
Security	Acces security via changeable password
SNMP	SNMP management via SNMPv1 or v2c and private MIB
RFC 1213 MIB	supported
RFC 1493 Bridge MIB	supported
RFC 2863 Interface Group MIB	supported
WEBconfig	Integrated web server with setup wizard for the configuration via Internet browsers with HTTP
LANconfig	Supported by LANconfig (LANCOM management software): automatic detection, display of device properties, opening of web configuration
LANmonitor	Monitoring application for Microsoft Windows for (remote) surveillance and logging of the device and port status
Firmware update	Upload of firmware via HTTP
Hardware	
Power supply	Internal power supply unit (110–230 V, 50-60 Hz)
Environment	Temperature range 0–40°C; humidity 5–90%; non-condensing
Housing	Robust metal housing, 19' 1U (440 x 44 x 170 mm) with removable mounting brackets, network connectors on the front
Fans	None; fanless design without rotating parts, high MTBF
Power consumption (max)	20 Watts
Declarations of conformity	
CE	EN 55022, EN 55024, EN 60950
Supported standards	
IEEE 802.1d	Spanning Tree
IEEE 802.1p	Class of Service
IEEE 802.1q	VLAN
IEEE 802.1w	Rapid Spanning Tree
IEEE 802.1x	Access Control
IEEE 802.3	10Base-T Ethernet
IEEE 802.3ab	1000Base-TX Ethernet

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Supported standards	
IEEE 802.3ad	Link Aggregation Control Protocol
IEEE 802.3u	100Base-T Ethernet
IEEE 802.3x	Flow Control
IEEE 802.3z	1000Base-X Ethernet
Package content	
Manual	Printed Quick Installation Guide (DE/EN)
CD	CD with firmware, management software (LANconfig, LANmonitor, WLANmonitor) and documentation
Cable	IEC power cord
19" brackets	Two 19' brackets for rackmounting
Support	
Warranty	5 years, support via Hotline and Internet KnowledgeBase
Accessories	
1000Base-SX SFP module	LANCOM SFP-SX-LC1, item no. 61556
1000Base-LX SFP module	LANCOM SFP-LX-LC1, item no. 61557
Item numbers	
LANCOM GS-1224	61459 (EU)
	61460 (UK)

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