



networks@work



DATA SHEET

CGX3224

24 - Port + 2 Expansion Slot Managed Switch

The Compex CGX3224 is a high performance and feature-rich SNMP switch. In addition, it has two modular expansion slots that support Gigabit copper-based or fiber modules thus providing the flexibility for network expansion. CGX3224 is built with Aggregation Routing Capability that allows users the ability to connect up to four broadband devices or connection to four different networks. CGX3224 is designed with advanced features such as Port and Tagged Virtual LAN, Port Trunking, Spanning Tree Protocol, Switch Stacking capability, Port Priority and Port Security. CGX3224 provides a web-based configuration interface for the simple configuration of these advanced features. Furthermore, CGX3224 is equipped with a host search engine that allows users to find workstations that are connected to the network based on IP address or Media Access Control (MAC) address.

SNMP & RMON

SNMP & RMON functionality are configured easily using Compex FreedomView Pro software that allows remote monitoring of data flow and packets in the switches. The RMON function allows polling of switches and to alert user of any abnormal operations of the switch using the four monitoring modes such as Ethernet Statistic, History, Alarm and Event.

Segment your Network

CGX3224 switch supports Port-based and Tagged VLAN which are compliant to IEEE 802.1Q standard which allows segmenting of the entire network into smaller workgroups to improve the network performance. Segmenting the network would markedly reduce the network broadcast traffic.

Prioritize Network Traffic

The Priority Queuing is designed based upon IEEE 802.1p standard. It supports eight levels of priority per port for prioritizing of critical network traffic. This is very useful for applications such as video and sound streaming which are bandwidth critical.

Resiliency

The Spanning Tree Protocol conforming to IEEE 802.1d ensures resiliency in the network. In the event that preferred switch path is broken or down. The resilient path takes over and valuable data is still able to travel from the server to the destination workstation.

Management

The management and configuration of advanced features can be achieved using the web-based management interface or through telnet and SNMP.

Security

CGX3224 provides two levels of network security: port-based 802.1x authentication and MAC authentication. This ensures that only authorized network devices are connected to the switch and be allowed to access the network through the individual ports.

Aggregation Routing

Supporting up to four broadband devices that enhance the enterprise internet connectivity. In addition it also allows connection to 4 different network without further investment in a router.

Scalable

Up to sixteen switches can be stacked and managed as one unit with a single IP address. No additional hardware required to stack units.

Network Monitoring

The ability to monitor your network traffic through port-mirroring enables you to diagnose the network easily. The switch allows the setting of one or more mirroring port for traffic monitoring.

Flexibility

Two expansion slots that is able to support the 1000 Base-T Copper-Based Gigabit Ethernet module, 1000Base-LX Gigabit fiber module, 1000 Base-SX Gigabit fiber module and 100 Base-FX Fast Ethernet fiber module.

SWITCH

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Features and Benefits

Feature	Benefit
Aggregation Routing	Support up to four broadband devices to enhance internet connectivity. Allows connection to another network without extra investment in additional routers.
Stacking	Up to 16 switches can be stacked and managed as one unit using only one IP address.
IEEE 802.1Q Virtual LAN	Segment your network into smaller workgroups to allow easier manageability and to control the network broadcast and multicast traffic.
IEEE 802.1d Spanning Tree Protocol	Allows resilient network path to take over automatically when the preferred network path has failed.
SNMP & RMON	SNMP & RMON allows monitoring of your network switch remotely with the ability to poll and alert user of switch abnormalities in the event of failure.

Specifications

Connectors 24 port auto-negotiation 10 Base-T/100Base-Tx 2 Optional modular expansion ports (1000 Base-T, 1000 Base-LX, 1000 Base-SX or 100 Base-FX)	Aggregating Router Capability Up to 4 WAN ports DHCP, NAT	Immunity EN55024
Performance Packet Forwarding Rate: 6.55Mpps Forwarding Modes: Store & Forward Backplane capacity : 12 Gbps MAC table: 4K Switching Buffer: 6M Bytes	Functional IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3z (1000 Base-SX/LX) IEEE 802.3x (Flow Control)	Buttons Hardware Reset, Mode Change
Environment Requirements Operating temperature: 0°C to 40°C Storage Temperature: -20°C to 70 °C Operating Humidity: 10%to 90% relative humidity non-condensing	Switching Features/ Functionality Port Mirroring, Port Security, Stacking, IEEE 802.1p (Priority Queuing) IEEE 802.1d (Spanning Tree Protocol) IEEE 802.1Q (VLAN) IEEE 802.3ad (Link Aggregation) IGMP (RFC 1112)	SNMP Standards SNMP (RFC 1157) MIB II (RFC 1213) Remote Monitoring MIB (RFC 2819) Bridge MIB (RFC 1493)
Power Supply AC Line Frequency: 50 to 60 Hz Input Voltage Options: 100 - 240 VAC Current Ratings: 1.1A (max)	Safety Certifications CE Mark, EN 60950	LED Indicators Power, Link, Mode (activity, speed, full/half duplex, error)
	Emissions FCC Part 15 Class A, CISPR PUB.22, ICES-003, EN55022 Class A, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5	Management Telnet, Web-Based Management Interface, FreedomView Pro, Console Port
		Dimensions Height: 44mm (1.73 inches) Width: 440mm (17.32 inches) Depth: 200mm (7.87 inches)

Ordering Information

24 Port + 2 Expansion Slot Managed Switch	CGX3224-110 (For US & Canada) CGX3224-220 (For Europe & Asia) CGX3224-UK (For UK only) CGX3224-AUS (For Australia only)
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