IMS-G1204 Series

MANAGED INDUSTRIAL GIGABIT ETHERNET SWITCH

Port Configuration

- 8*100/1000Base-T
- 4*1000Base-X SFP

Operating Temperature

- -40~75°C (IMS-G1204-T)
- 0~70°C (IMS-G1204)

Key Features

- Dual power inputs for power service high reliance
- Fast Ring recovery with 20ms
- Software code and configuration redundancy to keep the service running
- IGMP Snooping/Querier, MVR for IP multicast traffic control.
- 802.1p, Access control list, storm control and rate limitation to optimize traffic flow.
- Hardware diagnostic and SFP DDM to monitor the status and response event by E-mail, SNMP
- Marine certificate DNV 2.4, IEC-60945 compliant

IMS-G1204 Series – the full Gigabit Ethernet ports, perfect for high bandwidth network application.

IMS-G1204 series are Layer2 managed industrial switches that are designed for heavy industrial environments. Switch support fibers and coppers are suitable for any industrial security, surveillance and automation networks. Engineered with hardened components and enclosed in a rugged IP30 metal case, the switch can operate in temperatures from 0°C to 70°C (wide temperature type from -40°C to 75°C) and also has excellent tolerance capability of high vibration and shock.

The switch equipped with a variety of management functions can configure rich communication parameters and monitor the network behaviors powerfully. In addition, the switch is built-in dual redundant power inputs to ensure reliability and maximize network up time. The switch's ring technology can offer a fast recovery time of less than 20ms. More integrated features of the switch such as storm control, rate limitation, port isolation, STP/RSTP, etc., optimize the network performance and provide a secure and stable network.

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Hardware Specifications
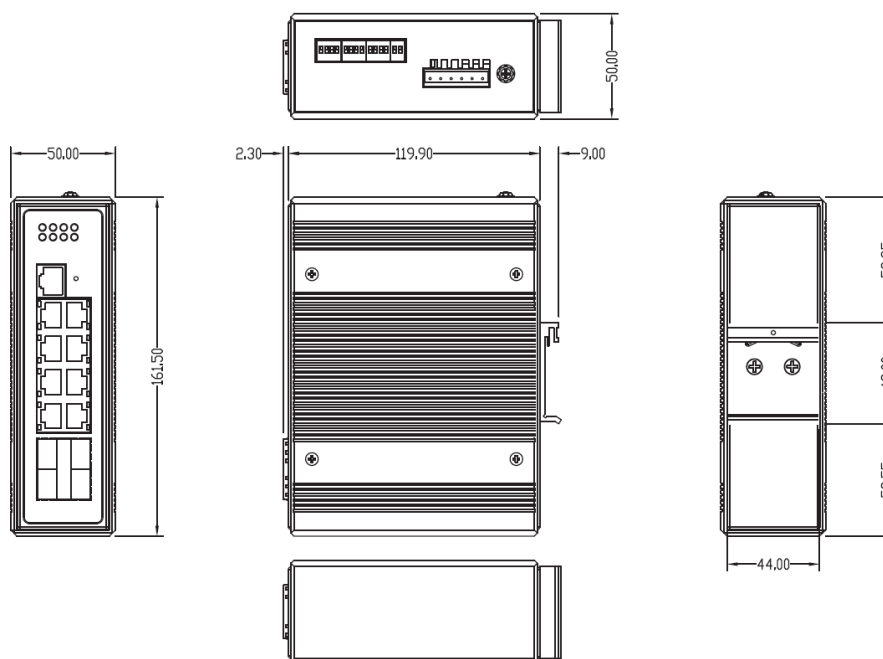
Port Configuration	8*100/1000Base-T 4*1000Base-X SFP	Operating Temperature	IMS-G1204: 0°C~70°C IMS-G1204-T: -40°C~75°C
Console	RJ45	Operating Humidity	10 to 95% RH (non-condensing)
Standard	IEEE 802.3	Storage Temperature	-40°C~80°C
	IEEE 802.3U	Storage Humidity	5 to 95% RH (non-condensing)
	IEEE 802.3ab	DIP Switch	Alarm Setting (Port, Power)
	IEEE 802.3z	Housing Protection	IP30, Metal
	IEEE 802.1D	Mounting	DIN-Rail
	IEEE 802.1w	Dimensions (WxHxD mm)	50x162x120
	IEEE 802.1s		
	IEEE 802.1Q	Weight	860g
	IEEE 802.1x	EMI	CE, FCC part 15 Class A
	IEEE 802.3ad		EN55022 Class A
	IEEE 802.3x		EN61000-6-4
	IEEE 802.1p	EMS	EN61000-6-2
Switch Capacity	24Gbps		EN55024
Jumbo Frame	10KB		EN61000-4-2(ESD) Level 3
MAC address	16K		EN61000-4-3(RS) Level 3
Reverse Polarity Protection	Supported		EN61000-4-4(EFT) Level 3
Over current protection	Supported		EN61000-4-5(Surge) Level 3
			EN61000-4-6(CS) Level 3
Power Input voltage	12~60V DC	Marine	DNV 2.4, IEC-60945
Dual power inputs	Supported	Shock	IEC 60068-2-27
Power consumption	18Watt (Max)	Freefall	IEC 60068-2-32
		Vibration	IEC 60068-2-6

Software Specifications

VLAN ID	4K	Spanning Tree	IEEE 802.1ad STP
VLAN group number	4K		IEEE 802.1w RSTP
VLAN group	IEEE 802.1Q VLAN		Fast Ring recovery time<20ms
	IEEE 802.1ad QinQ	Queue number	8 Hardware Queues
	Port Based VLAN	Traffic QoS	IEEE 802.1p
	GARP/GVRP Support		SP/WRR
	Management VLAN		IP DSCP
Multicast VLAN	MVR Supported		ACL (Access control list)
LACP (Link Aggregation)	Static trunking		
	IEEE 802.3ad LACP		
LACP group number	8		

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Bandwidth Control	Ingress		RMON	RMON(1,2,3,9)
	Egress		MIB II	RFC 1213
Strom Control	DLF, Broadcast, Multicast		DHCP	Client
				Relay
IP Multicast	IGMP Snooping v1/v2/v3			Snooping
Loop Detection	Supported			DHCP option82
ACL rule number	64		Event Syslog	syslog server
ACL rule	Supported		Warning message	syslog, e-mail
Security	IP Source Guard		Diagnostics	SFP DDMI
	Port Security			Hardware Monitor (Temperature, Voltage)
Port Mirroring	Supported			
Authentication	IEEE 802.1x Port based		NTP/SNTP	SNTP
SSH	v1, v2		Software Upgrade	HTTP
Management Interface	CLI, Web, Telnet		Configuration Upgrade	HTTP
	Auto Provision			
SNMP	v1, v2c		LLDP(Link layer Discovery protocol)	LLDP

Dimension

Ordering Information

Part Number	Description
IMS-G1204	8*100/1000Base-T + 4*1000Base-X SFP (0°C~70°C)
IMS-G1204-T	8*100/1000Base-T + 4*1000Base-X SFP (-40°C~75°C)

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