DATA SHEET

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
- IEEE 1588 PTP feature to support time synchronization
- 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
Console	RJ45
Standard	IEEE 802.3 IEEE 802.3U IEEE 802.3ab IEEE 802.3z IEEE 802.1D IEEE 802.1w IEEE 802.1s IEEE 802.1Q IEEE 802.1x IEEE 802.3ad IEEE 802.3x IEEE 802.1p
Switch Capacity	24Gbps
Jumbo Frame	10KB
MAC address	16K
Reverse Polarity Protection	Supported
Over current protection	Supported
Power Input voltage	12~60V DC
Dual power inputs	Supported
Power consumption	18Watt (Max)

Operating Temperature	IMS-G1204: 0°C~70°C IMS-G1204-T: -40°C~75°C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Temperature	-40°C~80°C
Storage Humidity	5 to 95% RH (non-condensing)
DIP Switch	Alarm Setting (Port, Power)
Housing Protection	IP30, Metal
Mounting	DIN-Rail
Dimensions (WxHxD mm)	50x162x120
Weight	860g
EMI	CE, FCC part 15 Class A EN55022 Class A EN61000-6-4
EMS	EN61000-6-2 EN55024 EN61000-4-2(ESD) Level 3 EN61000-4-3(RS) Level 3 EN61000-4-4(EFT) Level 3 EN61000-4-5(Surge) Level 3 EN61000-4-6(CS) Level 3
Marine	DNV 2.4, IEC-60945
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Software Specifications

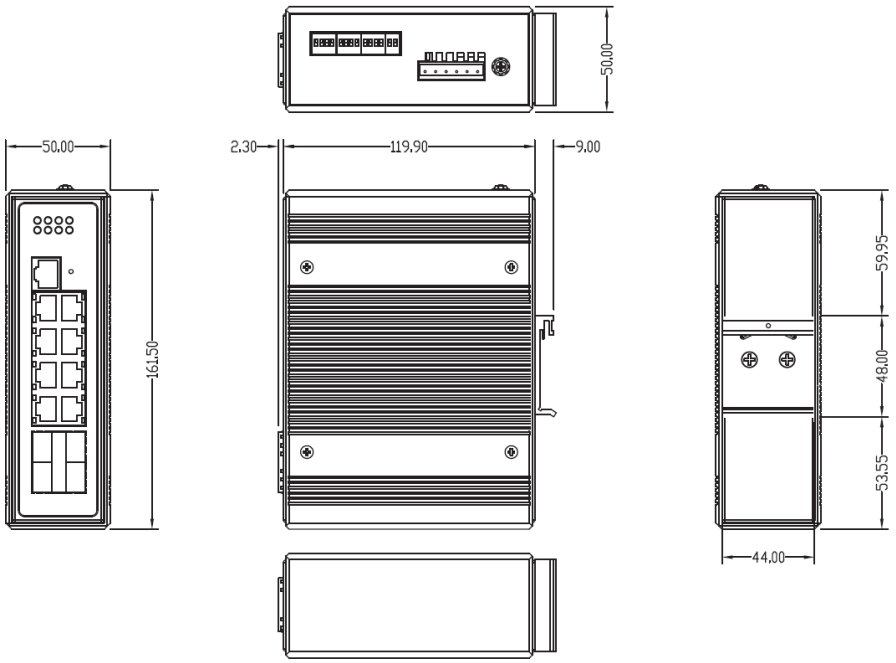
VLAN ID	4K
VLAN group number	4K
VLAN group	IEEE 802.1Q VLAN IEEE 802.1ad QinQ Port Based VLAN GARP/GVRP Support Management VLAN
Multicast VLAN	MVR Supported
LACP (Link Aggregation)	Static trunking IEEE 802.3ad LACP
LACP group number	8

Spanning Tree	IEEE 802.1ad STP IEEE 802.1w RSTP Fast Ring recovery time<20ms
Queue number	8 Hardware Queues
Traffic QoS	IEEE 802.1p SP/WRR IP DSCP ACL (Access control list)
PTP (Precision Time Protocol)	IEEE 1588v2 PTP
Routing	L3 Static Routing

Bandwidth Control	Ingress
	Egress
Strom Control	DLF, Broadcast, Multicast
IP Multicast	IGMP Snooping v1/v2/v3
Loop Detection	Supported
ACL rule number	64
ACL rule	Supported
Security	IP Source Guard
	Port Security
Port Mirroring	Supported
Authentication	IEEE 802.1x Port based
SSH	v1, v2
Management Interface	CLI, Web, Telnet
	Auto Provision
Modbus TCP	Function code 4 supported
SNMP	v1, v2c

RMON	RMON(1,2,3,9)
MIB II	RFC 1213
DHCP	Client
	Relay
	Snooping
	DHCP option82
Event Syslog	syslog server
Warning message	syslog, e-mail
Diagnostics	SFP DDMI
	Hardware Monitor (Temperature, Voltage)
NTP/SNTP	SNTP
Software Upgrade	HTTP
Configuration Upgrade	HTTP
LLDP(Link layer Discovery protocol)	LLDP

Dimension



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)