

IMP-G0500-F

MANAGED INDUSTRIAL GIGABIT ETHERNET PoE+ SWITCH

Port Configuration

- 5*100/1000Base-T
- Support 4 ports IEEE802.3at/af 30Watt PoE+ with power management

Operating Temperature

- -20~60°C (IMP-G0500-F)

Key Features

- Dual power inputs for power service high reliability
- Compact size with PoE+ support for DIN Rail and wall mount installation
- Intelligent PoE features for powered device (PoE Scheduling, PoE Alive Heartbeat).
- IGMP Snooping for IP multicast traffic control.
- 802.1p, storm control and rate limitation to optimize traffic flow.
- Hardware diagnostic (power alarm) to monitor the status and response event by E-mail, SNMP.



IMP-G0500-F – the compact size design with full PoE+ Gigabit Ethernet ports, perfect for small/middle size surveillance network.

IMP-G0500-F is a Layer2 managed industrial switch that is designed for industrial environments. The IMP-G0500-F managed Ethernet switches comes standard with four 100/1000Base-T 802.3at (PoE+) and 802.3af (PoE) Ethernet ports; the one 100/1000Base-T supports to connect to aggregation switch. The uplink with copper interface can save the fiber cost and deploy network more easily. IMP-G0500-F with compact size can install in small space.

The switch built-in dual redundant power inputs ensures the reliability and maximize system up time. The switch with intelligent PoE features can utilize power more efficiently such as power management per port, monitor the IP cameras status to recovery automatically and so on. These advantages can improve the stability in IP surveillance and gate of entry systems.

The complete QoS functions including IGMP snooping, 802.1p QoS, traffic storm control and rate limitation can optimize the traffic flow.

Hardware Specifications

Port Configuration	5*100/1000Base-T
PoE Ports	Support 4 port IEEE802.3at/af 30Watt PoE+
PoE power consumption	120 Watt (Max)
Standard	IEEE 802.3 IEEE 802.3U IEEE 802.3ab IEEE 802.3z IEEE 802.1Q IEEE 802.3x IEEE 802.1p IEEE 802.3az IEEE 802.3af IEEE 802.3at
Switch Capacity	10Gbps
Jumbo Frame	10KB
MAC address	8K
Reverse Polarity Protection	Supported
Over current protection	Supported
Power Input voltage	48~57V DC
Dual power inputs	Supported
Power consumption	130Watt (Max)

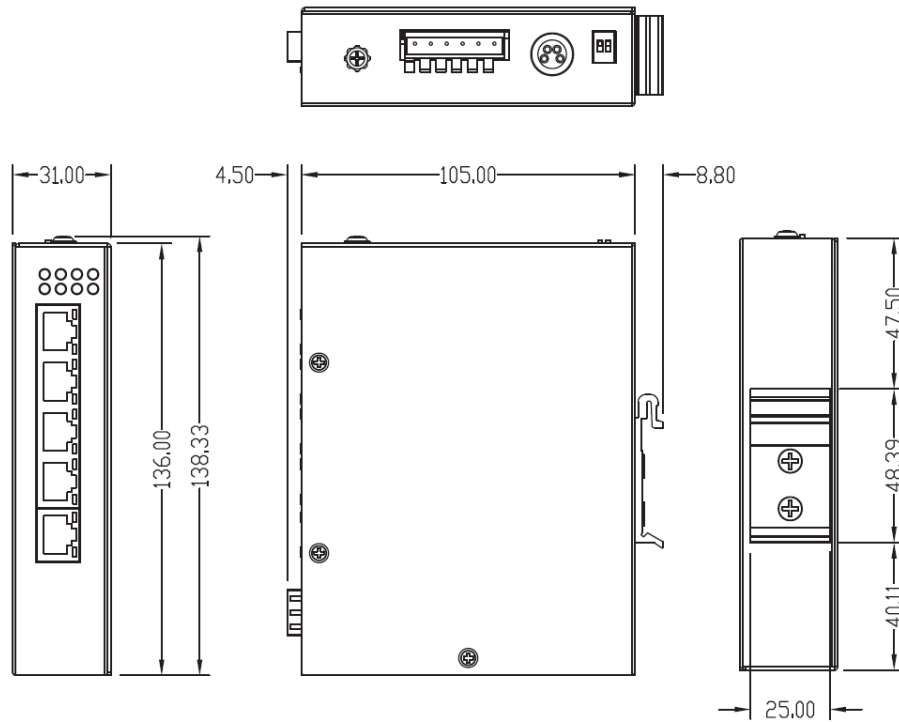
Operating Temperature	IMP-G0500-F: -20°C~60°C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Temperature	-40°C~85°C
Storage Humidity	5 to 95% RH (non-condensing)
DIP Switch	Alarm Setting (Power)
Housing Protection	IP30, Metal
Mounting	DIN-Rail
Dimensions (WxHxD mm)	31x136x110
Weight	395g
EMI	FCC part 15 Class A EN55022 Class A EN61000-6-4 EN55011
EMS	EN61000-6-2 EN55024 EN61000-4-2(ESD) Level 4 EN61000-4-3(RS) Level 3 EN61000-4-4(EFT) Level 2 EN61000-4-5(Surge) Level 3 EN61000-4-6(CS) Level 3
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Software Specifications

VLAN ID	4K
VLAN group number	256
VLAN group	IEEE 802.1Q VLAN Port Based VLAN MAC Based VLAN
Queue number	8 Hardware Queues
Traffic QoS	IEEE 802.1p SP/WRR/WFQ IP DSCP
Bandwidth Control	Ingress Egress
Strom Control	DLF, Broadcast, Multicast
IP Multicast	IGMP Snooping v1/v2/v3
Loop Detection	Supported

Port Mirroring	Supported
SSH	v1, v2
Management Interface	CLI, Web, Telnet
SNMP	v1, v2c
RMON	RFC 2819
MIB II	RFC 1213
DHCP	Client
Event Syslog	syslog server
Warning message	syslog, e-mail
NTP/SNTP	SNTP
Software Upgrade	HTTP/FTP/TFTP
Configuration Upgrade	HTTP
LLDP(Link layer Discovery protocol)	LLDP

Dimension



Ordering Information

Part Number	Description
IMP-G0500-F	4*100/1000Base-T with PoE+ + 1*100/1000Base-T (-20°C~60°C)