**DATA SHEET**

# IMP-G0601-F

## MANAGED INDUSTRIAL GIGABIT ETHERNET PoE+ SWITCH

### Port Configuration

- 5*100/1000Base-T
- 1*1000Base-X SFP
- Support 4 ports IEEE802.3at/af 30Watt PoE+ with power management

### Operating Temperature

- -20~60ºC (IMP-G0601-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-G0601-F – the compact size design with full PoE+ Gigabit Ethernet ports, perfect for small/middle size surveillance network.

IMP-G0601-F is a Layer2 managed industrial switch that is designed for industrial environments. The IMP-G0601-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 plus one 1000Base-X SFP port support for cascade installation. IMP-G0601-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.
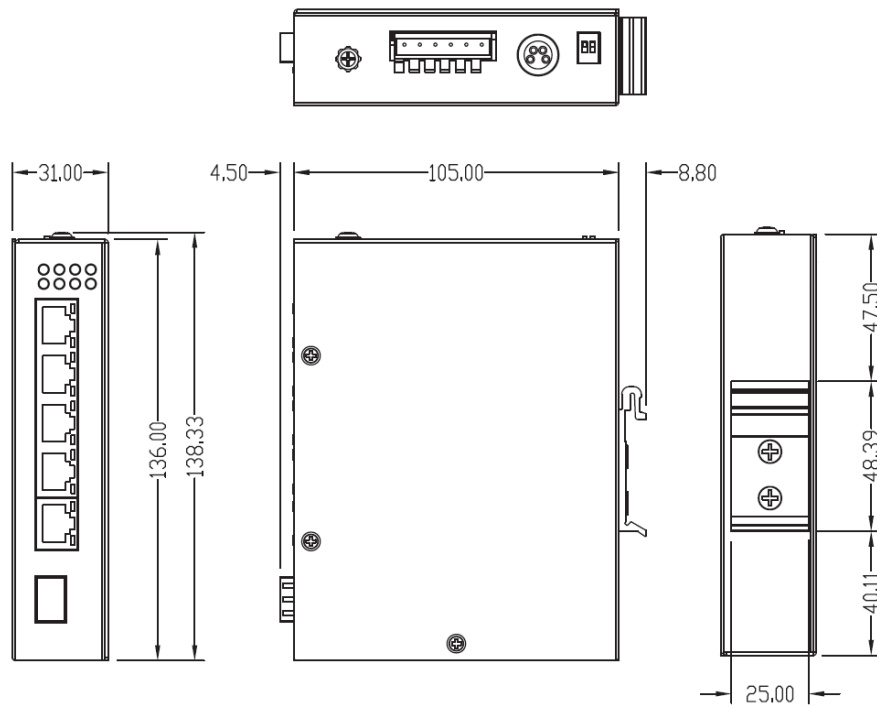
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# Hardware Specifications

| | | | |
|---|---|---|---|
| Port Configuration | 5*100/1000Base-T 1*1000Base-X SFP | Operating Temperature | IMP-G0601-F: -20°C~60°C |
| PoE Ports | Support 4 port IEEE802.3at/af 30Watt PoE+ | Operating Humidity | 10 to 95% RH (non-condensing) |
| | | Storage Temperature | -40°C~85°C |
| PoE power consumption | 120 Watt (Max) | Storage Humidity | 5 to 95% RH (non-condensing) |
| | | DIP Switch | Alarm Setting (Power) |
| Standard | IEEE 802.3 | Housing Protection | IP30, Metal |
| | IEEE 802.3U | Mounting | DIN-Rail |
| | IEEE 802.3ab | Dimensions (WxHxD mm) | 31x136x110 |
| | IEEE 802.3z | | |
| | IEEE 802.1Q | Weight | 395g |
| | IEEE 802.3x | EMI | FCC part 15 Class A |
| | IEEE 802.1p | | EN55022 Class A |
| | IEEE 802.3az | | EN61000-6-4 |
| | IEEE 802.3af | | EN55011 |
| | IEEE 802.3at | EMS | EN61000-6-2 |
| Switch Capacity | 12Gbps | | EN55024 |
| Jumbo Frame | 10KB | | EN61000-4-2(ESD) Level 4 |
| MAC address | 8K | | EN61000-4-3(RS) Level 3 |
| Reverse Polarity Protection | Supported | | EN61000-4-4(EFT) Level 2 |
| | | | EN61000-4-5(Surge) Level 3 |
| Over current protection | Supported | | EN61000-4-6(CS) Level 3 |
| | | Shock | IEC 60068-2-27 |
| Power Input voltage | 48~57V DC | Freefall | IEC 60068-2-32 |
| Dual power inputs | Supported | Vibration | IEC 60068-2-6 |
| Power consumption | 130Watt (Max) | | |

# Software Specifications

| | | | |
|---|---|---|---|
| VLAN ID | 4K | Port Mirroring | Supported |
| VLAN group number | 256 | SSH | v1, v2 |
| VLAN group | IEEE 802.1Q VLAN | Management Interface | CLI, Web, Telnet |
| | Port Based VLAN | | |
| | MAC Based VLAN | SNMP | v1, v2c |
| Queue number | 8 Hardware Queues | RMON | RFC 2819 |
| Traffic QoS | IEEE 802.1p | MIB II | RFC 1213 |
| | SP/WRR/WFQ | DHCP | Client |
| | IP DSCP | Event Syslog | syslog server |
| Bandwidth Control | Ingress | Warning message | syslog, e-mail |
| | Egress | NTP/SNTP | SNTP |
| Strom Control | DLF, Broadcast, Multicast | Software Upgrade | HTTP/FTP/TFTP |
| | | Configuration Upgrade | HTTP |
| IP Multicast | IGMP Snooping v1/v2/v3 | | |
| Loop Detection | Supported | LLDP(Link layer Discovery protocol) | LLDP |

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## Dimension



## Ordering Information

| Part Number | Description |
| --- | --- |
| IMP-G0601-F | 4*100/1000Base-T with PoE+ + 1*100/1000Base-T + 1*1000Base-X SFP (-20°C~60°C) |