



# 16 ports full gigabit managed Industrial Switch BI808GM8F series

## ❖ Overview

BI808GM8F is a 16-port Full Gigabit managed Industrial Switch that supports up to 8\*10/100/1000M downlink ports, 8\*1000 SFP ports;

It supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management. It supports 6KV surge protection, 8KV contact / 15KV air ESD protection.

It supports wall hanging and desktop installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.

## ❖ Picture



## ❖ Features

- ❖ With 8\*10/100/1000M downlink ports, 8\*1000M SFP ports;
- ❖ with L2 network management;
- ❖ Supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management;
- ❖ 6KV surge protection, 8KV contact / 15KV air ESD protection;
- ❖ Supports working temperature - 40°C ~ 75°C.
- ❖ Supports wall hanging and desktop installation, reliable and durable, and can be used in security network videomonitoring, network engineering and other occasions.



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## ❖ Specifications

| Parameter           | Specifications  |
|---------------------|---|
| Power supply        | Powered by power adaptor  |
| Range of voltage    | DC 12~57V   |
| Consumption         | Self-consumption<20W  |
| Downlink ports      | Ports 1~8: 10/100/1000Base-T RJ45   |
| Uplink ports        | Ports 9~16 1000M SFP ports  |
| Cable and distance  | Use cat5e/6,100m max  |
| Switch fabric       | 32Gbps  |
| Though put          | 23.8Mpps  |
| Buffer              | 4M  |
| MAC address table   | 8K  |
| Indicator           | Power: 2 *red ;<br>Uplink 9~16: green LEDs indicate Link/Act<br>Downlink 1~8: On RJ45 green LEDs indicate Link/Act. |
| Protection          | Surge: 6KV, standard: IEC61000-4-5<br>ESD: 8KV: contact / 15KV: air, standard:IEC61000-4-2                          |
| Working temperature | -40°C~75°C  |
| Storage temperature | -40°C~85°C  |
| Humidity            | 0~95%(No condensation)  |
| Dimension(L×W×H)    | 165 mm×114 mm×50mm  |
| Material            | Metal   |
| Color               | Black   |
| Net-weight          | 500g  |

|             |                    |  |
|-------------|--------------------|--|
| L2 Features | Port configuration | Auto-negotiation<br>Flow Control<br>Port Mirror<br>Traffic statistics<br>Static link aggregation<br>LACP               |
|             | Link Aggregation   | Algorithm based on Source/Destination MAC<br>Algorithm based on Source/Destination IP<br>8 groups<br>8 ports per group |



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|             |                |                                      |  |
|-------------|----------------|--------------------------------------|--|
| L2 Features | MAC Table      | Aging Time                           |  |
|             |                | Static MAC address                   |  |
|             |                | Dynamic MAC address                  |  |
|             | VLAN           | 4K Active VLANs                      |  |
|             |                | 4K VID                               |  |
|             |                | 802.1Q Tag VLAN                      |  |
|             |                | Port VLAN                            |  |
|             |                | Protocol VLAN                        |  |
|             |                | MAC VLAN                             |  |
|             |                | Management VLAN                      |  |
|             |                | Voice VLAN                           |  |
|             |                | Q-in-Q                               |  |
|             |                | Private VLAN                         |  |
|             |                | GARP/GVRP                            |  |
|             |                |                                      |  |
|             | ACL            | 64 ACLs                              |  |
|             |                | L2, L3 e L4                          |  |
|             |                | Time-based ACL                       |  |
|             | Spanning tree  | 802.1D Spanning Tree Protocol        |  |
|             |                | 802.1w Rapid Spanning Tree           |  |
|             |                | 802.1s Multiple Spanning Tree        |  |
|             |                | Loop Guard                           |  |
|             |                | Root Guard                           |  |
|             |                | TC-BPDU Guard                        |  |
|             |                | BPDU Guard                           |  |
|             |                | BPDU Filter                          |  |
|             | Multicast      | 256 groups                           |  |
|             |                | IGMP v1/v2/v3                        |  |
|             |                | Fast Leave                           |  |
|             |                | Multicast VLAN                       |  |
|             |                | Static Multicast                     |  |
|             |                | Multicast Filter                     |  |
|             |                | IGMP Statistics                      |  |
|             |                | MLD Snooping                         |  |
|             | PoE management | Support total power consumption      |  |
|             |                | Support single port PoE ON/OFF       |  |
|             |                | Support port output priority         |  |
|             | QOS            | 4 priority queues                    |  |
|             |                | CoS port-based                       |  |
|             |                | CoS 802.1p-based                     |  |
|             |                | CoS DSCP-based                       |  |
|             |                | Scheduling algorithms SP, WRR,       |  |
|             |                | Storm Control (Broadcast, Multicast, |  |
|             |                | Bandwidth control per port           |  |



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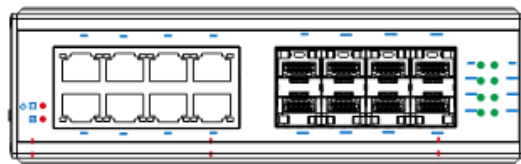
|                   |   |
|-------------------|---|
| Security Features | Port Security   |
|                   | MAC address filter  |
|                   | ARP Association (Manual, ARP scanning, DHCP snooping) up to 200   |
|                   | ARP Protection  |
|                   | DoS (Denial of Service)   |
|                   | Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, 802.1x Authentication (port-based e MAC-based) |
|                   | TACACS/TACACS+ Authentication   |
|                   | RADIUS Authentication   |
|                   | DHCP Filter   |
|                   | Guest VLAN  |
|                   | SSLv2/SSLv3/TLSv1   |
|                   | SSHv1/SSHv2   |
|                   | Restriction of WEB access based on: IP Address, And. MAC and Port   |
|                   | Port Isolation  |
|                   | Local User Name Password Authentication (2 levels)  |
|                   | Loopback detection  |
| Management        | SNMP v1/v2c/v3  |
|                   | RMON 4 grupos   |
|                   | WEB (HTTP/HTTPS)  |
|                   | CLI (Telnet, Console, SSHv1/v2)   |
|                   | Firmware upgrade via console/web/TFTP   |
|                   | Configuration Backup/Reload   |
|                   | All possible configurations in the CLI must exist in the WEB interface  |
|                   | LLDP  |
| Other Features    | DHCP Relay  |
|                   | DHCP Client   |
|                   | DHCP Snooping   |
|                   | DHCP Option 82  |
|                   | SNTP Client   |
|                   | BOOTP Client  |
| Maintenance       | Ping and Tracert  |
|                   | System log (Local and Remote)   |
|                   | Memory and CPU Monitoring   |



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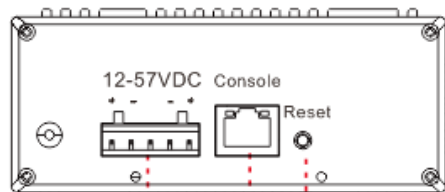
## ❖ Panel diagram

### ● Front panel



Power indicator 8\*10/100/1000M ports 8 1000M SFP ports

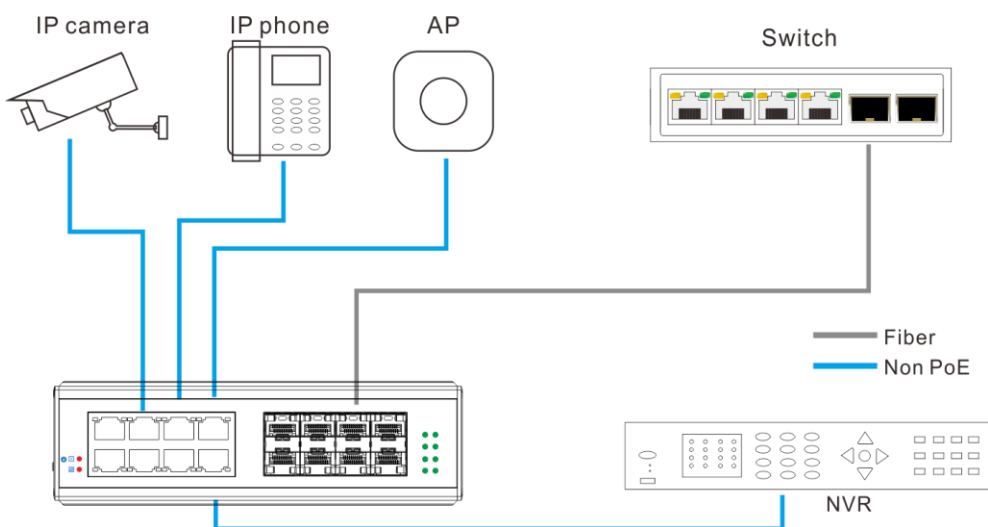
### ● Back panel



2\*DC power supply 12-57VDC Reset key

**⚠ Attention 1 :** This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

## ❖ Application

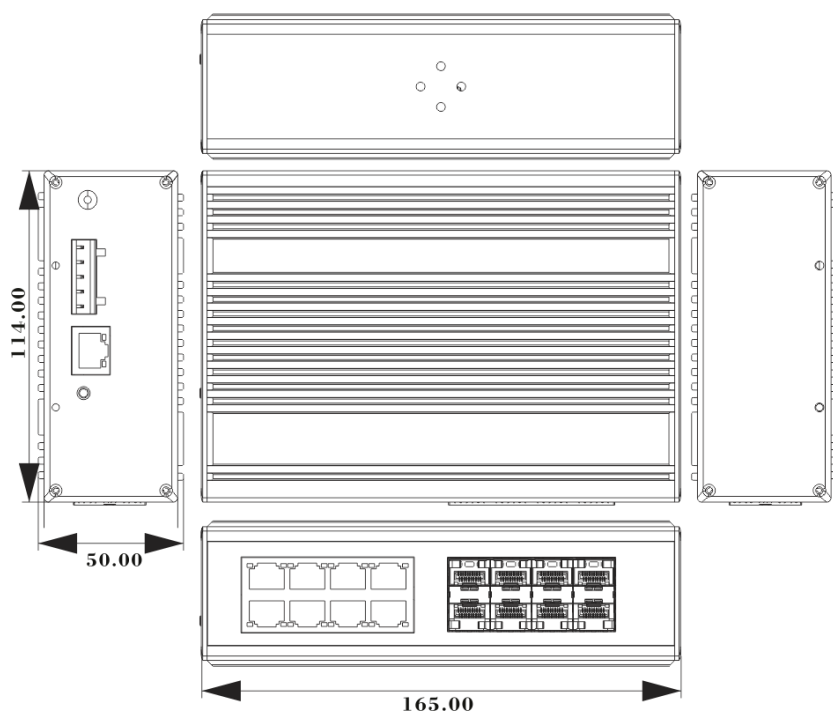




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## 16 ports full gigabit managed Industrial Switch BI808GM8F series

### ❖ Dimensions



### ❖ Order information

| Model    | Description   |
|----------|---|
| BI808G8F | 8*10/100/1000M ports, 8*1000M SFP ports; Support L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management; 6KV surge protection, 8KV contact /15KV air ESD protection; Supports working temperature - 40°C~75°C; |

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##### **WARRANTY:**

2 YEARS (EXPANDABLE UPTO 5 YEARS)

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