Catalog

AirLive

Industrial Ring Managed Gigabit PoE Switch Series

Industrial Ring Managed Gigabit PoE++ Switch
10-Port including 2x1G 90W PoE, 6x1G 30W PoE, 2x2.5G SFP

IGM-1082BT-2.5G

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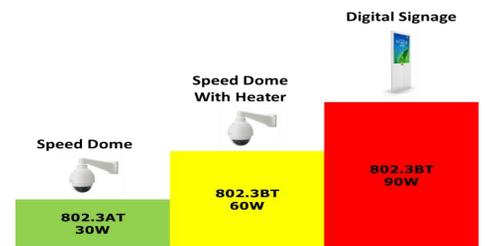|				
802.3at/bt 30W/90w	Gigabit RJ45 & 2.5G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Industrial-grade Managed Gigabit POE Switch with 90W PoE ports and 2.5G uplink

The AirLive IGM-1082BT-2.5G is a L2+ managed Gigabit PoE+ switch including 2 PoE++ (90W), 6 PoE+ (30W), and 2 fiber optic ports up to 2500Mbps auto. fallback.   Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components, it ensures your automatic system working stably even in extreme environment.

It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

IP40 protected Din-Rail
Dual DC input
Console Port
10/100/1000 90W PoE++ Ports
10/100/1000 30W PoE+ Ports
2.5G Fiber Ports

90W for high power needed PD

Features

- All 10-port, each port delivers Gigabit high speed
- 8 Gigabit POE ports, each PoE port supports 30W (802.3at) PoE including Port 1&2 up to 90W (802.3bt)
- Extend network further with 2x 2.5G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Automatically detect and offer power for connected PD
- L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management
CLI and Command Script for advance setting
SNMP used for popular network tools management.
- Lighting Surge Protection
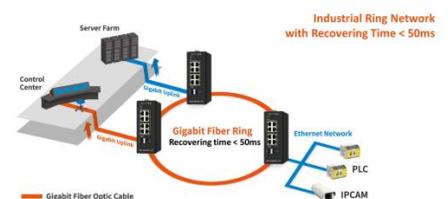- Dual power inputs 48~55Vdc

Intelligence - Layer 2+ Manage Advanced Feature

Automatic restart

PoE Watchdog management – 24/7 secure guard

Ordering Information

- **Model | Name:** IGM-1082BT-2.5G

    Industrial Ring Managed Gigabit PoE+ Switch

    10 Ports including 2x90W 1G, 6x30W 1G, 2-port SFP 2.5G

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE+ Switch

10-Port including 2x1G 90W PoE, 6x1G 30W PoE, 2x1.25G SFP

IGM-1082BT-1.25G

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802.3at/bt 30W/90w	Gigabit RJ45 & 1.25G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Industrial-grade Managed Gigabit POE Switch with 90W PoE ports and SFP uplink

The AirLive IGM-1082BT-1.25G is a L2+ managed Gigabit PoE+ switch including 2 PoE++ (90W), 6 PoE+ (30W), and 2 of Gigabit fiber optic ports.   Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components , it ensures your automatic system working stably even in extreme environment.
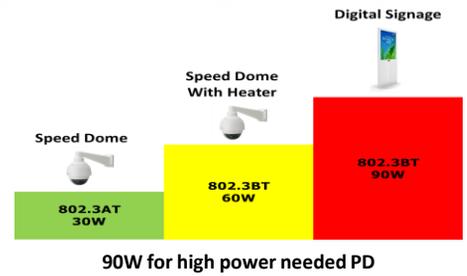
It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

Features

- All 10-port, each port delivers Gigabit high speed
- 8 Gigabit POE ports, each PoE port supports 30W (802.3at) PoE including Port 1&2 up to 90W (802.3bt)
- Extend network further with 2x 1.25G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Automatically detect and offer power for connected PD
- L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management
  CLI and Command Script for advance setting
  SNMP used for popular network tools management.
- Lighting Surge Protection
- Dual power inputs 48~55Vdc
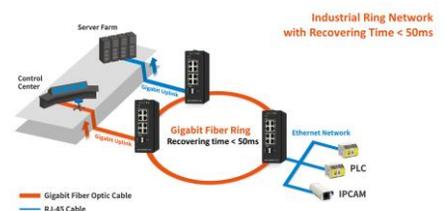
Ordering Information

- **Model | Name:** IGM-1082BT-1.25G

  Industrial Ring Managed Gigabit PoE+ Switch

  10 Ports including 2*90W 1G, 6*30W 1G, 2-port SFP 1.25G

90W for high power needed PD

Intelligence - Layer 2+ Manage Advanced Feature

PoE Watchdog management – 24/7 secure guard

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE++ Switch

10-Port including 4x1G 90W PoE, 2x2.5G SFP

IGM-642BT-2.5G

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802.3at/bt 90w	Gigabit RJ45 & 2.5G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Industrial-grade Managed BT POE++ Gigabit Switch with 2.5Gbps SFP uplink

The AirLive IGM-642BT-2.5G is a L2+ managed Gigabit PoE switch including 4 PoE++ (90W) and 2 fiber optic ports up to 2500Mbps automatically fallback. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components, it ensures your automatic system working stably even in extreme environment.
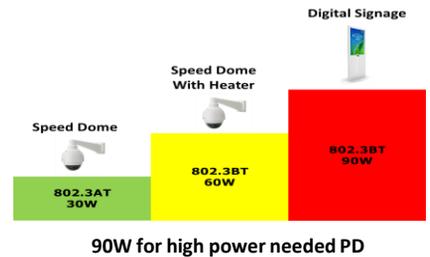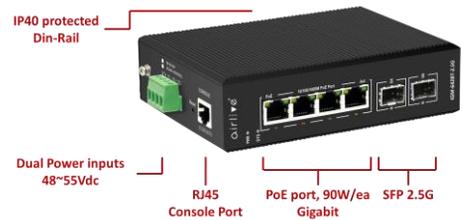
It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

Features

- All 10-port, each port delivers Gigabit high speed
- 4 Gigabit POE++ ports, each PoE port supports 90W (802.3bt) PoE
- Extend network further with 2x 2.5G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Automatically detect and offer power for connected PD
- L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management
  CLI and Command Script for advance setting
  SNMP used for popular network tools management.
- Lighting Surge Protection
- Dual power inputs 48~55Vdc
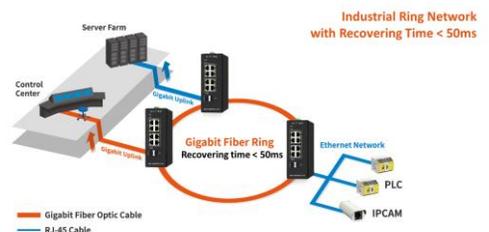
Ordering Information

- **Model | Name:** IGM-642BT-2.5G
  Industrial Ring Managed Gigabit PoE+ Switch
  6 Ports including 4*90W 1G, 2-port SFP 2.5G

90W for high power needed PD

Intelligence - Layer 2+ Manage Advanced Feature

PoE Watchdog management – 24/7 secure guard

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE++ Switch
10-Port including 4x1G 90W PoE, 2x1.25G SFP

IGM-642BT-1.25G

802.3at/bt 90w	Gigabit RJ45 & 1.25G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Industrial-grade Managed BT POE++ Gigabit Switch with SFP uplink

The AirLive IGM-642BT-1.25G is a L2+ managed Gigabit PoE switch including 4 PoE++ (90W) and 2 of Gigabit fiber optic ports. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V).Integrated with industrial level components , it ensures your automatic system working stably even in extreme environment.
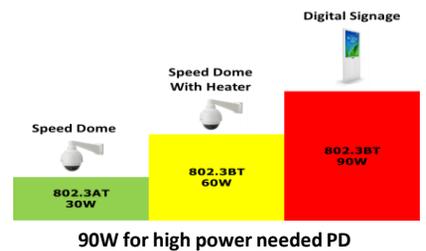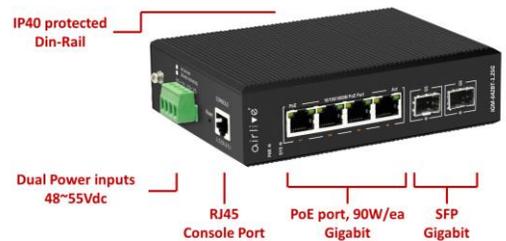
It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

Features

- All 10-port, each port delivers Gigabit high speed
- 4 Gigabit POE++ ports, each PoE port supports 90W (802.3bt) PoE
- Extend network further with 2x 1.25G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Automatically detect and offer power for connected PD
- L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management
  CLI and Command Script for advance setting
  SNMP used for popular network tools management.
- Lighting Surge Protection
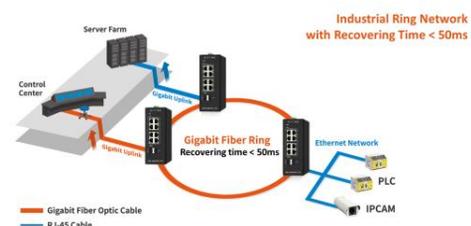- Dual power inputs 48~55Vdc

Ordering Information

- **Model | Name:** IGM-642BT-1.25G
  Industrial Ring Managed Gigabit PoE+ Switch
  6 Ports including 4*90W 1G, 2-port SFP 1.25G

90W for high power needed PD

Intelligence - Layer 2+ Manage Advanced Feature

PoE Watchdog management – 24/7 secure guard

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE+ Switch
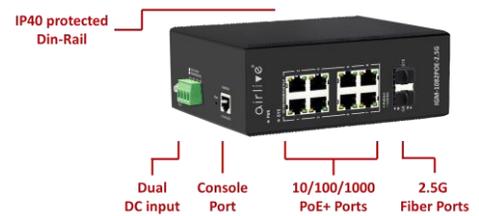# 10-Port including 8 x 1G PoE+, 2x2.5G SFP

IGM-1082POE-2.5G

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802.3at/af 30w	Gigabit RJ45 & 2.5G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Reliable Industrial-grade Managed POE Switch for extreme environment

The AirLive IGM-1082POE-2.5G is a L2+ managed Gigabit PoE+ switch with 8*10/100/1000BASE-T PoE ports and 2*2.5Gbps SFP Slots, each PoE port supplying up to 30 watts of power automatically adaptive, and 2 fiber optic ports up to 2500 Mbps auto fallback. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components , it ensures your automatic system working stably even in extreme environment.

It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

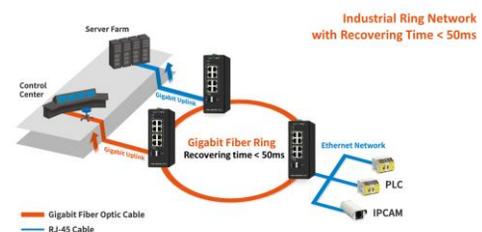**Intelligence - Layer 2+ Manage Advanced Feature**

Features

- All 10-port, each port delivers Gigabit high speed
- Extend network further with 2x 2.5G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Supports PoE+ up to 30W /per PoE port
- Automatically detect and offer power for connected PD
- Support L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management; CLI and Command Script for advance setting; SNMP used for popular network tools management.
- Lighting Surge Protection
- Dual power inputs 48~55Vdc

PoE Watchdog management – 24/7 secure guard

Ordering Information

- **Model | Name:** IGM-1082POE-2.5G
  Industrial Ring Managed Gigabit PoE+ Switch
  10 Ports including 2-port SFP 2.5G fiber ports

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE+ Switch
10-Port including 8 x 1G PoE+, 2x1.25G SFP

IGM-1082POE-1.25G

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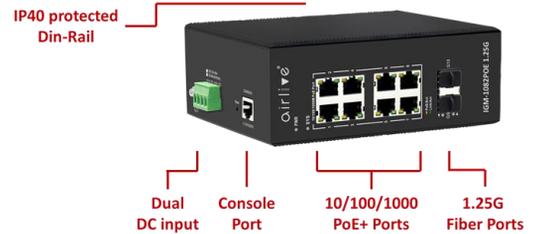|				
802.3at/af 30w	Gigabit RJ45 & 1.25G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Reliable Industrial-grade Managed POE Switch for extreme environment

The AirLive IGM-1082POE-1.25G is a L2+ managed Gigabit PoE+ switch with 8*10/100/1000BASE-T PoE ports and 2*1.25Gbps SFP Slots , each PoE port supplying up to 30 watts of power automatically adaptive, and 2 fiber optic port for long distance networking connectivity. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components , it ensures your automatic system working stably even in extreme environment.

It's offers comprehensive SNMP management functions including IGMP, VLAN , Port aggregation, QoS port mirroring, bandwidth control. Ring Network Protocol ERPS is supported. ERPS supports multi-ring and multi-domain structures. It supports main device backups, load sharing and other work methods in 50ms switching, making for one of the lowest fault recovery time and makes sure that your critical industrial network keeps working. The basic but very useful PoE management and PoE Watchdog for automatic remote reboot is also supported.

IP40 protected Din-Rail — Dual DC input — Console Port — 10/100/1000 PoE+ Ports — 1.25G Fiber Ports

Intelligence - Layer 2+ Manage Advanced Feature

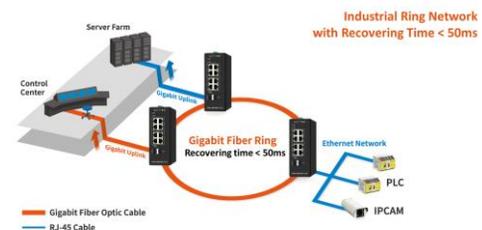**PoE Watchdog management – 24/7 secure guard**

Features

- All 10-port, each port delivers Gigabit high speed
- Extend network further with 2x 1.25G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Supports PoE+ up to 30W /per PoE port
- Automatically detect and offer power for connected PD
- Support L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management; CLI and Command Script for advance setting; SNMP used for popular network tools management.
- Lighting Surge Protection
- Dual power inputs 48~55Vdc

Industrial Ring Network with Recovering Time < 50ms

Ordering Information

- **Model | Name:** IGM-1082POE-1.25G
  Industrial Ring Managed Gigabit PoE+ Switch
  10 Ports including 2-port SFP 1.25G fiber ports

IGM-1082POE-1.25G

Factory Packing Control

Industrial Ring Managed Gigabit PoE+ Switch
10-Port including 8 x 1G PoE+, 2x2.5G SFP

IGM-642POE-2.5G

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802.3at/af 30w	Gigabit RJ45 & 2.5G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Reliable Industrial-grade Managed POE Switch for extreme environment

The AirLive IGM-642POE-2.5G is a L2+ managed Gigabit PoE+ switch with 4*10/100/1000BASE-T PoE ports and 2*2.5Gbps SFP Slots, each PoE port supplying up to 30 watts of power automatically adaptive, and 2 fiber optic port for long distance networking connectivity at 2500Mbps high speed. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components, it ensures your automatic system working stably even in harsh environment.
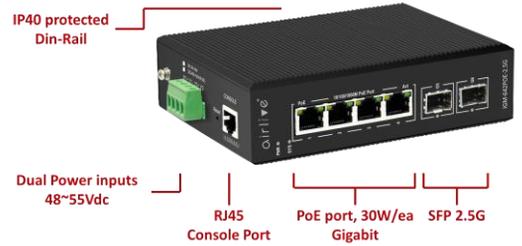
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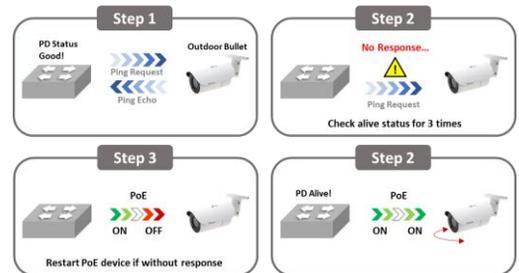**Intelligence - Layer 2+ Manage Advanced Feature**

Features

- All 6-port, each port delivers Gigabit high speed
- Extend network further with 2x 2.5G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Supports PoE+ up to 30W /per PoE port
- Automatically detect and offer power for connected PD
- Support L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management; CLI and Command Script for advance setting; SNMP used for popular network tools management.
- Lighting Surge Protection
- Dual Power inputs 48~55Vdc

PoE Watchdog management – 24/7 secure guard

Ordering Information

- **Model | Name:** IGM-642POE-2.5G
  Industrial Ring Managed Gigabit PoE+ Switch
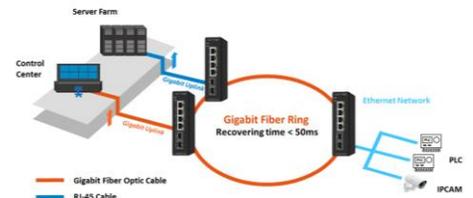 6 Ports including 2-port SFP 2.5G fiber ports

Industrial ERPS Ethernet Ring Protection

Industrial Ring Managed Gigabit PoE+ Switch
10-Port including 8 x 1G PoE+, 2x1.25G SFP

IGM-642POE-1.25G

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802.3at/af 30w	Gigabit RJ45 & 1.25G SFP	L2+ manage Switch L3 Manage Routing	Advanced PoE management	IPv6/IPv4 VLAN
Redundant Network Ring	Ultra Fast Ring recovering	Dual Power inputs 48~55Vdc	-40°C~85°C	IP40, Din-Rail & Wall-Mount FAN Less

Overview

Reliable Industrial-grade Managed POE Switch for extreme environment

The AirLive IGM-642POE-1.25G is a L2+ managed Gigabit PoE+ switch with 4*10/100/1000BASE-T PoE ports and 2*1.25Gbps SFP Slots, each PoE port supplying up to 30 watts of power automatically adaptive, and 2 fiber optic port for long distance networking connectivity. Made for extreme environments with its wide temperature range from -40°c to 85°c and rugged IP40 metal housing; Dual power inputs using a 4pin terminal block (DC48~55V). Integrated with industrial level components , it ensures your automatic system working stably even in harsh environment.
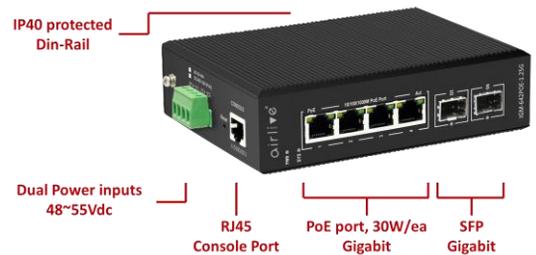
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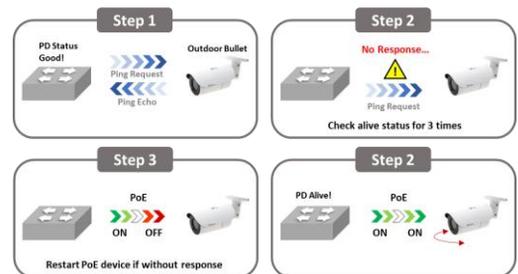
Features

- All 6-port, each port delivers Gigabit high speed
- Extend network further with 2x 1.25G SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- Supports PoE+ up to 30W /per PoE port
- Automatically detect and offer power for connected PD
- Support L2+ SNMP and WEB Smart management function, including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control
- PoE management; PoE watchdog to remote reboot crashed PD automatically
- Clear Statues display including traffic, CPU, Memory, POE consumption, per-port status
- Web-UI for easy management; CLI and Command Script for advance setting; SNMP used for popular network tools management.
- Lighting Surge Protection
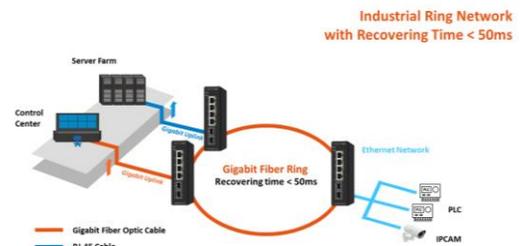- Dual power inputs 48~55Vdc

Ordering Information

- **Model | Name:** IGM-642POE-1.25G
  Industrial Ring Managed Gigabit PoE+ Switch
  6 Ports including 2-port SFP 1.25G fiber ports

IP40 protected Din-Rail

Dual Power inputs 48~55Vdc

RJ45 Console Port

PoE port, 30W/ea Gigabit

SFP Gigabit

Intelligence - Layer 2+ Manage Advanced Feature

PoE Watchdog management – 24/7 secure guard

Industrial ERPS Ethernet Ring Protection

Efficient PoE Watch Guard
PoE Watch dog technology and PoE Management

The Switch IGM series supports high power on port 1~2 at 90W and 30W on ports 3 ~8 auto adaptively for IGM-1082BT and port 1~4 all at 90W for IGM-642BT. With PoE management function to control PoE port setting, Timer setting and Timer reboot setting, and PoE watchdog. All the PoE management functions ensure full power for the connected PD and great reliability for the whole system. PoE 90W supports devices which need more power, this can be for example a PoS system, Digital Signage, or LED lighting.

After PoE Watchdog function enabled, the IGM switch works as a virtual security guard. When the POE port is continuously powered but there is no traffic, the POE watchdog will be triggered. After 2 minutes of detection, the power supply will be stopped and then powered on. PoE Watchdog is especially helpful for camera. For example, when turning on the function, the switch will detect the front-end camera for 24/7. If there is no traffic output from the camera, it is judged that the camera is frozen, and the front-end camera will be restarted through PoE power failure to solve the problem.

Automatic restart

Built for Harsh Environment

The IGM switch can operate from -40°C ~ 85°C. And each POE port has 6KV surge protection. It is the ideal solution for applications which work under harsh environment and require stable network and PoE power such as parking lot or IP surveillance. The IGM switch has a rugged high strength metal case which is rated at IP40 and has a DIN35 Rail connection making it suitable for network use in a heavy industry or factories. AirLive Industrial switches can be placed in almost any harsh environment.
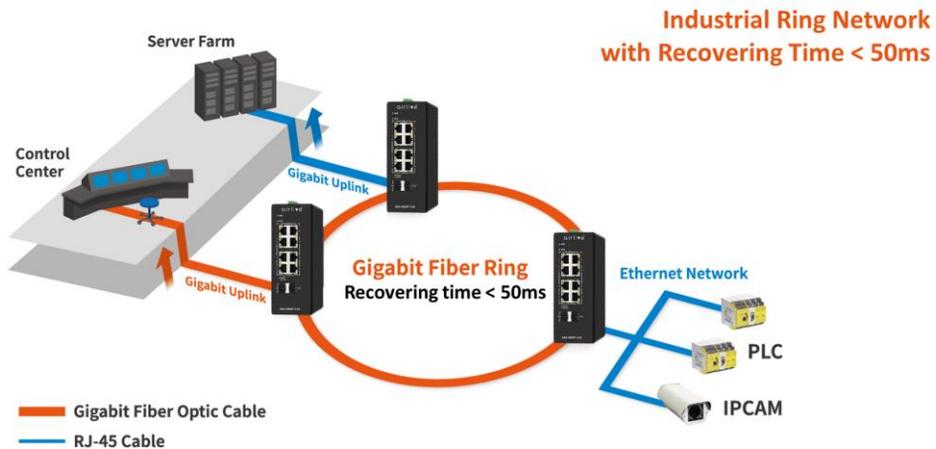

IGM-1082BT-2.5G

ERPS Ethernet Ring Protection

ERPS is supported by the IGM Switch. ERPS supports multi-ring and multi-domain structures (master and sub rings) and optimizes the inspection mechanism in terms of two-way faults. In addition, it supports main device backups, load sharing and other work methods in <50ms switching.

This means that when multiple switches have been placed in a Ring and the network work is interrupted, it will recover within 50ms or less. Meaning the critical network like in harsh environments or automated production lines and surveillance will be online again with minimum loss of time. The ring network is also protected again loops.

VLAN, Dying Gasp, QoS and more

The IGM Series is management switch which is packed with feature, use the many VLAN functions to separated the traffic on your network, use Dying Gasp to get an alert when a remote connected device (CPE) is failing. Or use the QoS functions to stream your network in a smooth and non congested network these and many more functions can be found in the AirLive industrial Switch.

Fiber for Long Distance up to 120Km at 2.5G or 1.25G

Extend the network further with the 2.5G or 1.25G SFP slots. The SFP ports also supports DDM which offers more information about the fiber connection and makes it easier to find any faults or bad connections.
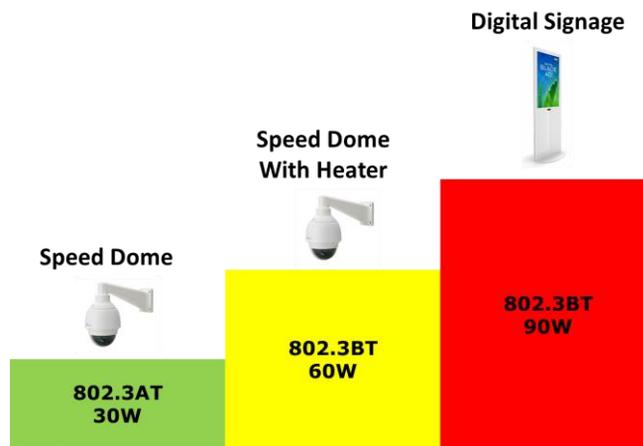

Built-in SFP for long distance transition

802.3BT High Power PoE

Airlive Power over Ethernet (PoE) products are suitable for commercial and industrial applications which provide highly reliable power and data transmission in compliance with the 802.3bt standard, industrial design, long-distance PoE technology, and The unique intelligent PoE watchdog control function can meet all the requirements of IP surveillance, IP communications, POS systems, PoE lighting and other applications.

AirLive IGM-1082BT-2.5G | 1.25G Industrial switch supports the high-power output PoE++ at 90W for ports 1 and 2; IGM-642BT-2.5G| 1.25G supports 90W for port 1~4. This higher output allows IGM BT switch to power more device then just an IP camera or Access point. The 90W PoE can be used to power on high power needed PoE Systems, Digital Signage or even PoE LED lighting and much more. Giving you much more flexibility on the usage, as you are no longer restricted to only 30W.

Industrial Application Harsh Environment

AirLive IGM Industrial switch meets the high standard demands of providing reliable networking connectivity, able to withstand harsh industrial environment, and cost-effectively.