AirLive Network Industrial Switches
L2+ Management

Specifications | Major Features

- Specifications

L2+ Industrial Ring Managed Gigabit PoE++ Switch 90W 802.3bt PoE

- ✓ **Gigabit**
- ✓ **90W 802.3BT PoE**
- ✓ **2.5G SFP**

L2+ management including
- ✓ **Ring Network**
- ✓ **IGMP Snooping**
- ✓ **DHCP Snooping**
- ✓ **VLAN-policy**
- ✓ **Port aggregation**
- ✓ **QoS**
- ✓ **Port mirroring**
- ✓ **MAC Binding bandwidth control**
- ✓ **More**

14-port Gigabit PoE++ switch, Including 2x2.5G, 2x1G SFP

IGM-14104BT-2.5G

- 10*GE 30W PoE including 2*90W (P1&2)
- 2*2.5G SFP
- 2* 1.25G SFP
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

10-port Gigabit PoE++ Switch, Including 2x2.5G SFP Ports

IGM-1082BT-2.5G

- 8*GE 30W POE including 2*90W (P1&2)
- 2*2.5G SFP
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

6-port Gigabit PoE++ Switch, Including 2x2.5G SFP Ports

IGM-642BT-2.5G

- 4*GE 90W PoE (P1~P4)
- 2*2.5G SFP
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

L2+ Industrial Ring Managed Gigabit PoE++ Switch 90W 802.3bt PoE

- ✓ **Gigabit**
- ✓ **90W 802.3BT PoE**
- ✓ **1.25G SFP**

L2+ management including
- ✓ **Ring Network**
- ✓ **IGMP Snooping**
- ✓ **DHCP Snooping**
- ✓ **VLAN-policy**
- ✓ **Port aggregation**
- ✓ **QoS**
- ✓ **Port mirroring**
- ✓ **MAC Binding bandwidth control**
- ✓ **More**

14-port Gigabit PoE++ Switch, Including 4x 1.25G SFP

IGM-14104BT-1.25G

- 10*GE 30W PoE including 2*90W
- 4 1.25G SFP
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

10-port Gigabit PoE++ Switch, Including 2x1.25G SFP

IGM-1082BT-1.25G

- 8*GE 30W POE including 2*90W
- 2*1.25G SFP
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

6-port Gigabit PoE++ Switch, Including 2x1.25G SFP

IGM-642BT-1.25G

- 4*GE 90W PoE
- 2*1.25G SFP Uplink
- PoE:802.3af/at/bt
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

L2+ Industrial Ring Managed Gigabit PoE+ Switch 30W 802.3at PoE

✓ **Gigabit**
✓ **30W 802.3AT**
✓ **2.5G SFP**

L2+ management including
✓ Ring Network
✓ IGMP Snooping
✓ DHCP Snooping
✓ VLAN-policy
✓ Port aggregation
✓ QoS
✓ Port mirroring
✓ MAC Binding bandwidth control
✓ More

14-port Gigabit PoE+ Switch, Including 2x2.5G and 2x 1.25G SFP

IGM-1484POE-2.5G

- 8*GE 30W PoE+ 2*GE
- 2*2.5G + 2*1.25G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

10-port Gigabit PoE+ Switch, Including 2x2.5G SFP

IGM-1082POE-2.5G

- 8*GE 30W PoE
- 2*2.5G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Input, DC48~55V
- -40°C to 85°C Temp Range

6-port Gigabit PoE+ Switch, Including 2x2.5G SFP

IGM-642POE-2.5G

- 4*GE 30W PoE+
- 2*2.5G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Input, DC48~55V
- -40°C to 85°C Temp Range

L2+ Industrial Ring Managed Gigabit PoE+ Switch 30W 802.3at PoE

- ✓ **Gigabit**
- ✓ **30W 802.3AT PoE**
- ✓ **1.25G SFP**

L2+ management including
- ✓ **Ring Network**
- ✓ **IGMP Snooping**
- ✓ **DHCP Snooping**
- ✓ **VLAN-policy**
- ✓ **Port aggregation**
- ✓ **QoS**
- ✓ **Port mirroring**
- ✓ **MAC Binding bandwidth control**
- ✓ **More**

14-port Gigabit PoE+ Switch, Including 4x 1.25G SFP

IGM-1484POE-1.25G

- 8*GE 30W PoE+ 2*GE
- 4*1.25G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

10-port Gigabit PoE+ Switch, Including 2x1.25G SFP

IGM-1082POE-1.25G

- 8*GE 30W PoE
- 2*1.25G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

6-port Gigabit PoE+ Switch, Including 2x1.25G SFP

IGM-642POE-1.25G

- 4*GE 30W PoE+
- 2*1.25G SFP
- PoE:802.3af/at
- L2+ Management, Ring Management, PoE & PoE Watchdog Management
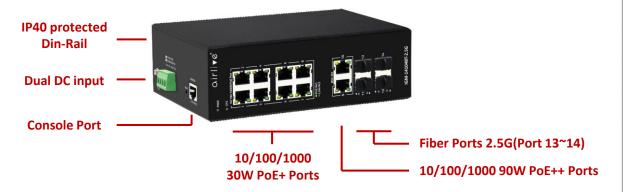- Dual Power Inputs, DC48~55V
- -40°C to 85°C Temp Range

L2+ Industrial Ring Managed Gigabit PoE++ Switch

14-port L2+ Industrial Ring Managed PoE Switch
90W 802.3BT; 2.5G & 1.25G Fiber Uplink

IGM-14104BT-2.5G

IP40 protected Din-Rail

Dual DC input

Console Port

10/100/1000 30W PoE+ Ports
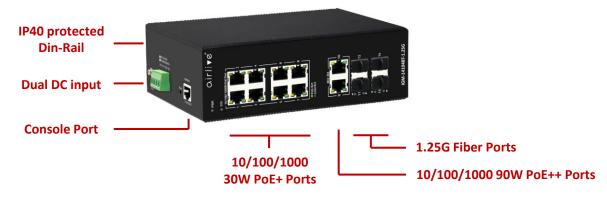
Fiber Ports 2.5G(Port 13~14)

10/100/1000 90W PoE++ Ports

✓ All ports at Gigabit Speed
✓ 90W High PoE Port
✓ 2.5G or 1.25G SFP Fiber Uplink
✓ POE: 802.3af/at/bt (15W/30W/90W), auto-adaptive
✓ L2+ SNMP and WEB management
✓ Support Ring Network Protection
✓ Support PoE and PoE watchdog management
✓ Dual Power inputs (power redundant)
✓ Wide Working temperature for harsh or critical environment

Model	IGM-14104BT-2.5G
Ports	10*GE PoE (including 2*90W POE), 2*2.5G SFP, 2*1.25G SFP , 14-port total
PoE Standard And max. output	IEEE 802.3af/at/bt, auto-adaptive PoE 90W (max.) / PoE port 9~10 PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 34Gbps
Forwarding Rate	25.29Mpps
Power Input	4Pin Terminal Block Dual inputs , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

14-port L2+ Industrial Ring Managed PoE Switch
90W 802.3BT; 1.25G Fiber Uplink

IGM-14104BT-1.25G

- IP40 protected Din-Rail
- Dual DC input
- Console Port
- 10/100/1000 30W PoE+ Ports
- 1.25G Fiber Ports
- 10/100/1000 90W PoE++ Ports

- ✓ All ports at Gigabit Speed
- ✓ Support 90W High PoE Port
- ✓ 1.25G SFP Fiber Uplink
- ✓ POE: 802.3af/at/bt (15W/30W/90W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-14104BT-1.25G
Ports	10*GE PoE (including 2*90W POE), 4*1.25G SFP. 14-port total
PoE Standard And max. output	IEEE 802.3af/at/bt, auto-adaptive PoE 90W (max.) / PoE port 9~10 PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 28Gbps
Forwarding Rate	20.83Mpps
Power Input	4Pin Terminal Block Dual inputs , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

10-port L2+ Industrial Ring Managed PoE Switch
90W 802.3BT; 2.5G Fiber Uplink

IGM-1082BT-2.5G

- 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

- All ports at Gigabit speed
- Support 90W High Power PoE Port
- 2.5G SFP Fiber Uplink
- PoE: 802.3af/at/bt compliant, auto-adaptive
- L2+ SNMP and WEB Smart management function
- Dual Power inputs (power redundant)
- Wide Working temperature for harsh or critical environment

Model	IGM-1082BT-2.5G
Ports	8*PoE (including 2*90W), 2*2.5G SFP, 10-port total
PoE Standard And max. output	IEEE 802.3af/at/bt PoE 90W (max.) / PoE port 1~2 PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 26Gbps
Forwarding Rate	19.34Mpps
Power Input	4Pin Terminal Block Dual inputs , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

10-port L2+ Industrial Ring Managed PoE Switch
90W 802.3bt, 1.25G Fiber Uplink

IGM-1082BT-1.25G

IP40 protected Din-Rail

Dual DC input

Console Port

10/100/1000 90W PoE++ Ports

10/100/1000 30W PoE+ Ports
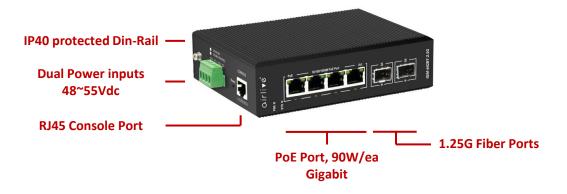
1.25G Fiber Ports

- ✓ All ports at Gigabit Speed
- ✓ Support 90W High PoE Port
- ✓ 1.25G SFP Fiber Uplink
- ✓ POE: 802.3af/at/bt (15W/30W/90W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-1082BT-1.25G
Ports	8*PoE (including 2*90W), 2*1.25G SFP, 10-port total
PoE Standard And max. output	IEEE 802.3af/at/bt PoE 90W (max.) / PoE port 1~2 PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 20Gbps
Forwarding Rate	14.88Mpps
Power Input	4Pin Terminal Block Dual inputs , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

6-port L2+ Industrial Ring Managed Gigabit PoE Switch
90W PoE; 2.5G Fiber Uplink

IGM-642BT-2.5G

IP40 protected Din-Rail

Dual Power inputs
48~55Vdc

RJ45 Console Port
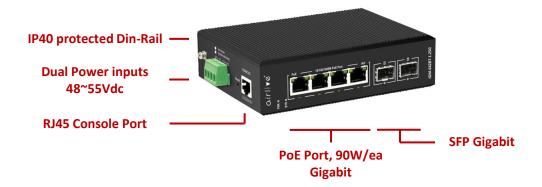
PoE Port, 90W/ea
Gigabit

1.25G Fiber Ports

- ✓ All ports at Gigabit Speed
- ✓ Each PoE port up to 90W High Power
- ✓ 2.5G SFP Fiber Uplink
- ✓ POE: 802.3af/at/bt (15W/30W/90W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-642BT-2.5G
Ports	4*GE 90W PoE++ , 2*2.5G SFP , 6-port total
PoE Standard And max. output	IEEE 802.3af/at/bt PoE 90W (max.) / PoE port 1~4
Switch Capacity	Up to 18Gbps
Forwarding Rate	13.39Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

6-port L2+ Industrial Ring Managed Gigabit PoE++ Switch
90W PoE, 1.25G Fiber Uplink

IGM-642BT-1.25G

IP40 protected Din-Rail

Dual Power inputs
48~55Vdc

RJ45 Console Port

PoE Port, 90W/ea
Gigabit

SFP Gigabit

Model	IGM-642BT-1.25G
Ports	4*GE 90W PoE++ , 2*1.25G SFP, 6-port total, 1-console
PoE Standard And max. output	IEEE 802.3af/at/bt PoE 90W (max.) / PoE port 1~4
Switch Capacity	Up to 12Gbps
Forwarding Rate	8.928Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

- ✓ All ports at Gigabit Speed
- ✓ Each PoE port up to 90W High Power
- ✓ 1.25G SFP Fiber Uplink
- ✓ POE: 802.3af/at/bt (15W/30W/90W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

L2+ Industrial Ring Managed Gigabit PoE+ Switch

14-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT PoE, 2.5G & 1.25G Uplink

IGM-1484POE-2.5G

IP40 protected Din-Rail

Dual DC input

Console Port

10/100/1000 30W PoE+ Ports

10/100/1000

Fiber Ports 13~14 2.5G

✓ All ports at Gigabit Speed
✓ Each PoE port up to 30W High Power
✓ 2.5G and 1.25G SFP Fiber Uplink
✓ POE: 802.3af/at (15W/30W), auto-adaptive
✓ L2+ SNMP and WEB management
✓ Support Ring Network Protection
✓ Support PoE and PoE watchdog management
✓ Dual Power inputs (power redundant)
✓ Wide Working temperature for harsh or critical environment

Model	IGM-1484POE-2.5G
Ports	8*GE PoE+, 2*GE, 2*2.5G SFP, 2*1.25G SFP, 14-port total
PoE Standard And max. output	IEEE 802.3af/at auto-adaptive PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 34Gbps
Forwarding Rate	25.29Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE+ Switch

14-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT PoE, 4x 1.25G Fiber Uplink

IGM-1484POE-1.25G

IP40 protected
Din-Rail

Dual DC input

Console Port

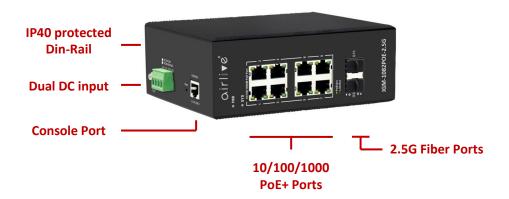10/100/1000
30W PoE+ Ports

1.25G Fiber Ports

10/100/1000

- ✓ All ports at Gigabit Speed
- ✓ Each PoE port up to 30W High Power
- ✓ 1.25G SFP Fiber Uplink
- ✓ POE: 802.3af/at (15W/30W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-1484POE-1.25G
Ports	8*GE PoE+, 2*GE , 4*1.25G SFP, 14-port total
PoE Standard And max. output	IEEE 802.3af/at auto-adaptive PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 28Gbps
Forwarding Rate	20.83Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE+ Switch

10-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT PoE, 2.5G Fiber Uplink

IGM-1082POE-2.5G

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

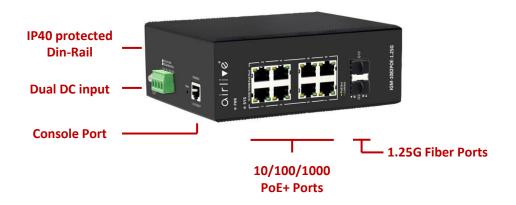| Model	IGM-1082POE-2.5G
Ports	8*GE PoE+, 2*2.5G SFP ports
PoE Standard And max. output	IEEE 802.3af/at PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 26Gbps
Forwarding Rate	19.34Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

- ✓ All ports at Gigabit Speed
- ✓ Each PoE port up to 30W High Power
- ✓ 2.5G SFP Fiber Uplink
- ✓ POE: 802.3af/at (15W/30W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

L2+ Industrial Ring Managed Gigabit PoE+ Switch

10-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT PoE, 1.25G Fiber Uplink

IGM-1082POE-1.25G

IP40 protected Din-Rail

Dual DC input

Console Port

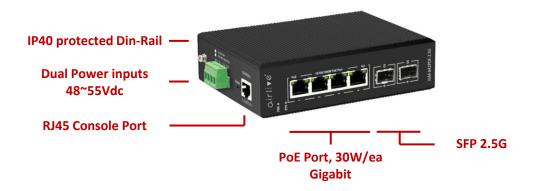10/100/1000 PoE+ Ports

1.25G Fiber Ports

- ✓ All ports at Gigabit Speed
- ✓ Each PoE port up to 30W High Power
- ✓ 1.25G SFP Fiber Uplink
- ✓ POE: 802.3af/at (15W/30W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-1082POE-1.25G
Ports	8*GE PoE+, 2*1.25G SFP ports
PoE Standard And max. output	IEEE 802.3af/at PoE 30W (max.) / PoE port 1~8
Switch Capacity	Up to 20Gbps
Forwarding Rate	14.88Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Din-Rail, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE+ Switch

6-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT PoE+, 2.5G Fiber Uplink

IGM-642POE-2.5G

IP40 protected Din-Rail

Dual Power inputs
48~55Vdc

RJ45 Console Port
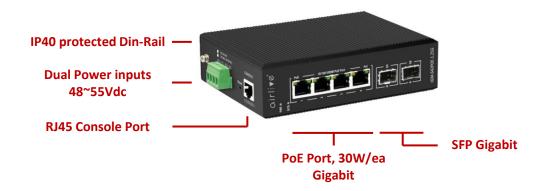
PoE Port, 30W/ea
Gigabit

SFP 2.5G

- ✓ All ports at Gigabit Speed
- ✓ All PoE ports up to 30W High Power
- ✓ 2.5G SFP Fiber Uplink
- ✓ POE: 802.3af/at (15W/30W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-642POE-2.5G / IGM-642POE-1.25G
Ports	4*GE PoE+, 2*2.5G SFP ports, 6-port total
PoE Standard And max. output	IEEE 802.3af/at PoE 30W (max.) / PoE port 1~4
Switch Capacity	Up to 18Gbps
Forwarding Rate	13.39Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v/2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE+ Switch

6-port L2+ Industrial Ring Managed Gigabit PoE+ Switch
802.3AT, 1.25G SFP Fiber Uplink

IGM-642POE-1.25G

IP40 protected Din-Rail

Dual Power inputs
48~55Vdc

RJ45 Console Port

PoE Port, 30W/ea
Gigabit

SFP Gigabit

- ✓ All ports at Gigabit Speed
- ✓ Each PoE Port up to 30W High Power
- ✓ 2.5G SFP Fiber Uplink
- ✓ POE: 802.3af/at (15W/30W), auto-adaptive
- ✓ L2+ SNMP and WEB management
- ✓ Support Ring Network Protection
- ✓ Support PoE and PoE watchdog management
- ✓ Dual Power inputs (power redundant)
- ✓ Wide Working temperature for harsh or critical environment

Model	IGM-642POE-1.25G
Ports	4*GE PoE+, 2*1.25G SFP, 6-port total
PoE Standard And max. output	IEEE 802.3af/at PoE 30W (max.) / PoE port 1~4
Switch Capacity	Up to 12Gbps
Forwarding Rate	8.928Mpps
Power Input	4Pin Terminal Block Dual input , DC 48~55V
L2+ management	including DHCP Snooping, VLAN, IGMP, QoS, Spanning Tree, MAC Binding and Bandwidth Control, Port Management, Port Mirroring, Port Isolation, Storm Suppression, Port Aggregation, Multicast, DDM, more IPv4/v6 L3 switching
ERPS Ethernet Ring Protection	G.8032 ERPS, support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 50ms
System Management	CLI, SSH2.0, Telnet, WEB, SNMP v1/v2/v3
Lighting Surge protection	6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV
Mechanical	IP40 Housing, Operating Temp: -40°C to +85°C

L2+ Industrial Ring Managed Gigabit PoE++ Switch

AirLive	L2+ Industrial Switch, GE, 2.5G/1.25G SFP, 802.3AT/BT			L2+ Industrial Switch, GE, 1.25G SFP, 802.3AT/BT		
Model No.	IGM-14104BT-2.5G	IGM-1082BT-2.5G	IGM-642BT-2.5G	IGM-14104BT-1.25G	IGM-1082BT-1.25G	IGM-642BT-1.25G
Ref. Picture						
Total Ports	14	10	6	14	10	6
GE PoE Ports	10	8	4	10	8	4
Fiber SFP	4 (2*2.5G, 2*1.25G)	2*2.5G	2*2.5G	4*1.25G	2*1.25G	2*1.25G
802.3BT 90W PoE	Port 9 & 10	Port 1 & 2	Port 1~4	Port 9 & 10	Port 1 & 2	Port 1~4
802.3AT 30W PoE	Port 1~10	Port 1~8	Port 1~4	Port 1~10	Port 1~8	Port 1~4
Dual Power Inputs	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V
Working Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Mechanical ESD/Surge Protection	IP40, Din Rail, 6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV					
Management	L2+ Management, ERPS Ring Management & protection, PoE & PoE Watchdog Management, Port aggregation, QoS, MAC Binding and bandwidth control, VLAN-Policy, DHCP Snooping, IGMP Snooping IPv4/v6 Layer 3 Switching					

L2+ Industrial Ring Managed Gigabit PoE++ Switch

AirLive	L2+ Industrial Switch, GE, 2.5G/1.25G SFP, 802.3AT/BT			L2+ Industrial Switch, GE, 1.25G SFP, 802.3AT/BT		
Model No.	IGM-14104BT-2.5G	IGM-1082BT-2.5G	IGM-642BT-2.5G	IGM-14104BT-1.25G	IGM-1082BT-1.25G	IGM-642BT-1.25G
Ref. Picture						
Total Ports	14	10	6	14	10	6
GE PoE Ports	10	8	4	10	8	4
Fiber SFP	4 (2*2.5G, 2*1.25G)	2*2.5G	2*2.5G	4*1.25G	2*1.25G	2*1.25G
802.3BT 90W PoE	Port 9 & 10	Port 1 & 2	Port 1~4	Port 9 & 10	Port 1 & 2	Port 1~4
802.3AT 30W PoE	Port 1~10	Port 1~8	Port 1~4	Port 1~10	Port 1~8	Port 1~4
Dual Power Inputs	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V
Working Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Mechanical ESD/Surge Protection	IP40, Din Rail, 6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV					
Management	L2+ Management, ERPS Ring Management & protection, PoE & PoE Watchdog Management, Port aggregation, QoS, MAC Binding and bandwidth control, VLAN-Policy, DHCP Snooping, IGMP Snooping IPv4/v6 Layer 3 Switching					

L2+ Industrial Ring Managed Gigabit PoE++ Switcht

AirLive	L2+ Industrial Switch, GE, 2.5G/1.25G SFP, 802.3AT			L2+ Industrial Switch, GE, 1.25G SFP, 802.3AT		
Model No.	IGM-1484POE-2.5G	IGM-1082POE-2.5G	IGM-642POE-2.5G	IGM-1484POE-1.25G	IGM-1082POE-1.25G	IGM-642POE-1.25G
Ref. Picture						
Total Ports	14	10	6	14	10	6
GE PoE Ports	8	8	4	8	8	4
GE RJ45 Ports	2			2		
Fiber SFP Ports	4 (2*2.5G, 2*1.25G)	2*2.5G	2*2.5G	4*1.25G	2*1.25G	2*1.25G
802.3AT 30W PoE	Port 1~8	Port 1~8	Port 1~4	Port 1~8	Port 1~8	Port 1~4
Dual Power Inputs	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V	DC48~55V
Working Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Mechanical ESD/Surge Protection	IP40, Din Rail, 6KV (general mode), 2KV (differential mode), ESD15KV, Touch 8KV					
Management	L2+ Management, ERPS Ring Management & protection, PoE & PoE Watchdog Management, Port aggregation, QoS, MAC Binding and bandwidth control, VLAN-Policy, DHCP Snooping, IGMP Snooping IPv4/v6 Layer 3 Switching					

Networking Accessory | Fiber

Network extension, SFP modules for different speeds and distance.

Industrial SPF Module	
ISFP-SR-10G-300M	Industrial level 10G Multi Giga SFP+ MINIGBIC transceiver, up to 300m, hot pluggable
ISFP-LR-10G-10KM	Industrial Level 10G Multi Giga SFP+ MINIGBIC transceiver, up to 10KM, hot pluggable
ISFP-LX-1.25G-20KM	Industrial Level 1000Base-LX 1.25G MiniGBIC transceiver, up to 20KM, hot pluggable
10G SFP+ Module	
SFP-SR-10G-300M	10G Multi Giga SFP+ MINIGBIC transceiver, up to 300m, hot pluggable
SFP-LR-10G-10KM	10G Multi Giga SFP+ MINIGBIC transceiver, up to 10KM, hot pluggable
2.5G SFP Module	
SFP-LX-2.5G-20KM	1.25G 1000Base-LX MiniGBIC transceiver, up to 20KM, hot pluggable
1.25G SFP Module	
SFP-SX-1.25G-500M	1000Base-SX MiniGBIC transceiver, 500m, hot pluggable
SFP-LX-1.25G-20KM	1.25G 1000Base-LX MiniGBIC transceiver, up to 20KM, hot pluggable
SFP-LX-1.25G-40KM	1.25G 1000Base-LX MiniGBIC transceiver, up to 40KM, hot pluggable
SFP-LX-1.25G-60KM	1.25G 1000Base-LX MiniGBIC transceiver, up to 60KM, hot pluggable
SFP-LX-1.25G-80KM	1.25G 1000Base-LX MiniGBIC transceiver, up to 80KM, hot pluggable

More models in option, please contact.

Specifications | Major Features

- Major Features & Functions

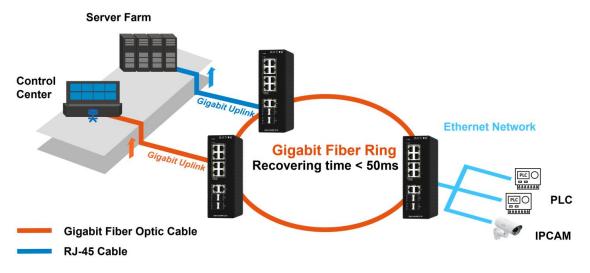# L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

ERPS
Ethernet
Ring Network
Protection

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.

IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

**Industrial Ring Network
with Recovering Time < 50ms**

Server Farm

Control Center

Gigabit Uplink

Gigabit Uplink

Gigabit Fiber Ring
Recovering time < 50ms

Ethernet Network

PLC

PLC

IPCAM

Gigabit Fiber Optic Cable

RJ-45 Cable

L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

Working in Harsh Environment reliably

Wide Temperature Coverage -40°C~+ 85°C

The Industrial switches with their solid IP40 housing 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. It suitable for network use in a heavy industry, factories, BANK or Automation critical applications and has an easy connection with the DIN35 Rail connection.
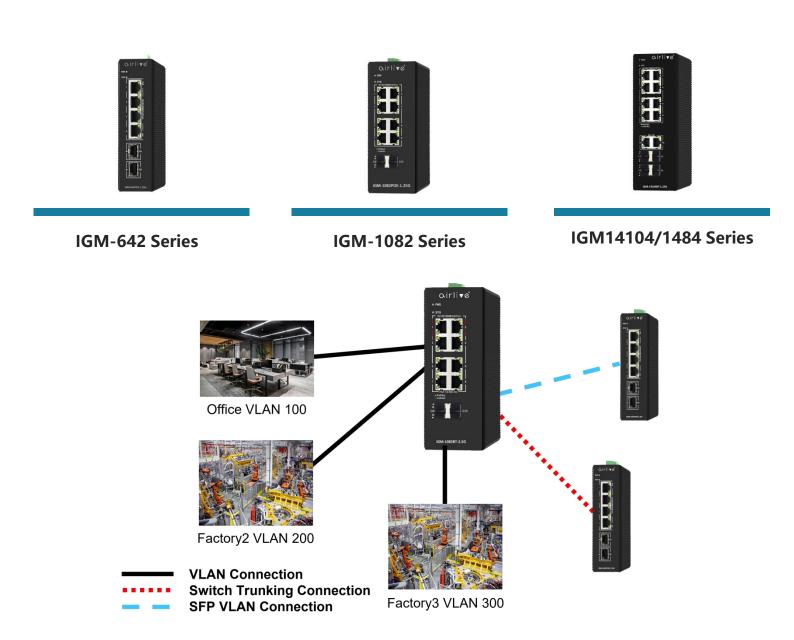
IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

VLAN
Dying Gasp
QoS and more

The Industrial management switches are packed with many features, use the many VLAN functions to separate 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
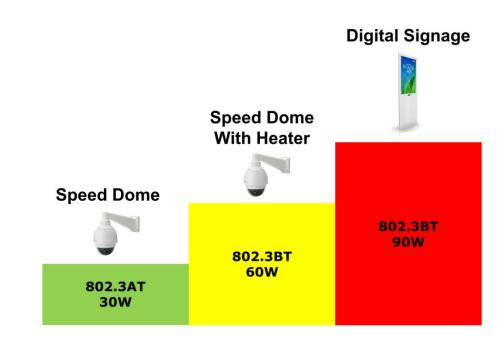
IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

Office VLAN 100

Factory2 VLAN 200

Factory3 VLAN 300

— VLAN Connection
····· Switch Trunking Connection
- - - SFP VLAN Connection

L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

Efficient PoE technology BT Hi Power and AT PoE

802.3at (30W) PoE+
802.3bt (90W) PoE ++

- High 90W PoE port can offer sufficient power to high power needed IPCAM, or PoE Led, thin clients, outdoor 4G or 5G CPE

- 30W PoE port can supply power for other PoE devices such as Access Points, normal IP Camera, outdoor wireless CPE

- Giving you much more flexibility on the usage

IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

Digital Signage

Speed Dome With Heater

Speed Dome

802.3AT 30W

802.3BT 60W

802.3BT 90W

90W PoE Power only with the BT versions of the AirLive IGM Industrial Switch

L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

24/7 PoE Watch

PoE Watch dog (self-learning) technology and PoE Management

The Industrial PoE Switch will detect and provide full power to connected PD adaptively automatically.
It features PoE Watchdog technology that can automatically detect connected PD and restart the crashed devices. When "PoE Watchdog" function is turned on, the switch auto-detects 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 is restarted through PoE power failure to solve the problem of camera crash.

IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

Automatic restart

L2+ Industrial Ring Managed Gigabit PoE+/++ Switch

2.5G or 1G Fiber Uplink

Fiber for Long Distance
Extend the network further with SFP | SFP+ slots

Accomplished via a hot-pluggable 1G or 2.5G SFP transceiver which supports distance up to 300/500 meters over multimode fiber and 10KM to 80KM over single-mode fiber. (The distance depends on the optical module chosen). In harsh environments.

IGM-642 Series

IGM-1082 Series

IGM14104/1484 Series

Factory Parking Control

Appendix – Network Glossary

Functions	Advantages
ERPS	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.
Ring Network	When a switch in the ring fails that other will keep the network path alive.
IGMP (Snooping)	IGMP snooping allows to constrain the multicast traffic. As the name implies, this is done by listening to IGMP traffic between the router and hosts. This means less unnecessary traffic.
DHCP Snooping	DHCP Snooping is to prevent unauthorized (rogue) DHCP servers offering IP address to DHCP clients, to prevent stranger router(s).
VLAN-Policy	Make a more secure network, divided the network traffic in separated groups. Give user groups access or limit their access in the network.
Port-aggregation	Increased bandwidth, when one physical connection is not enough, multiple can be combined together to form one large connection.
QoS	QoS can help to reduce network congestion by dropping or throttling low-priority traffic during periods of peak utilization and by using application-specific traffic routing to reduce congestion in critical sectors of the network.
Port Mirroring	Port Mirroring copies the message of specified switch port to a destination port. The copied is the Source Port, and the copying port is the Destination Port. Destination Port will make use of data inspection devices for the users to analyze the received messages to monitor and trouble control the network.
MAC Binding	This feature can protect your network from ARP poisoning attacks, in which hackers try to change the MAC address of their computers to match a real device on your network. To use MAC address binding, you must configure the interface to associate a client IP address with a MAC address
Bandwidth Control	This function is similar to QoS as it would help to control the bandwidth to the devices connected to the switch.

Company Video

Thank You!

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