LINK VUE

ASSEMBLED & QUALITY CONTROL IN INDIA

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About Linkvue System – Proudly Made in India

About Linkvue Systems – Engineered for Performance, Assembled in India

Linkvue Systems, established in 2015, is a leading Indian provider of industrial networking and communication products, proudly supporting the Make in India initiative. Our solutions are designed with precision, assembled in India, and built to meet the demanding needs of industrial environments across the country and beyond.

We specialize in a comprehensive range of industrial-grade networking equipment, including unmanaged Ethernet industrial switches, media converters, unmanaged PoE switches, managed switches, and industrial PoE solutions. Every Linkvue product is crafted to deliver exceptional reliability, performance, and durability — ensuring seamless connectivity for critical infrastructure and industrial applications.

At Linkvue, our commitment goes beyond selling hardware. We provide dependable, cost-effective solutions developed through local engineering expertise and advanced technology integration. Each product is optimized for Indian conditions, offering robust design, long operational life, and consistent performance in harsh environments.

Driven by our mission to empower India's connectivity and industrial automation, we continue to expand our product portfolio and strengthen our service network. With a focus on quality, innovation, and local manufacturing, Linkvue stands as a proud example of India's growing strength in high-performance networking technology — Assembled in India, Made for the World.

PRODUCT CATALOGUE

Managed Industrial Ethernet Switch & PoE Switch

- **Smart**
- **Ring Topology**
- **Recovery Time≤20ms**

CONTENTS

Managed Industrial Ethernet Switch:

Managed Industrial PoE Switch:

LV-MIES0104F Series

4*10/100Base-TX to 1*100Base-FX Managed Industrial Ethernet Switch

Features:

- 4*10/100Base-TX RJ45 ports.
- 1*100Base-FX SC/SFP fiber port (FC or ST optional).
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, IPV6 management, Web, SNMP,

Telnet, TFTP, Web upgrading.

➢G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.

➢IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.

➢Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0104F is a managed industrial-grade Ethernet switch with 4-port 10/100Base-TX RJ45 and 1-port 100Base-FX SC/SFP (FC or ST optional) fiber optical interface. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0104F offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0104F series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

Interface	Fiber port	Ethernet (RJ45) port
	1	4
	4*10/100Base-TX RJ45 ports 1*100Base-FX SC/SFP fiber port (FC or ST optional)	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS	

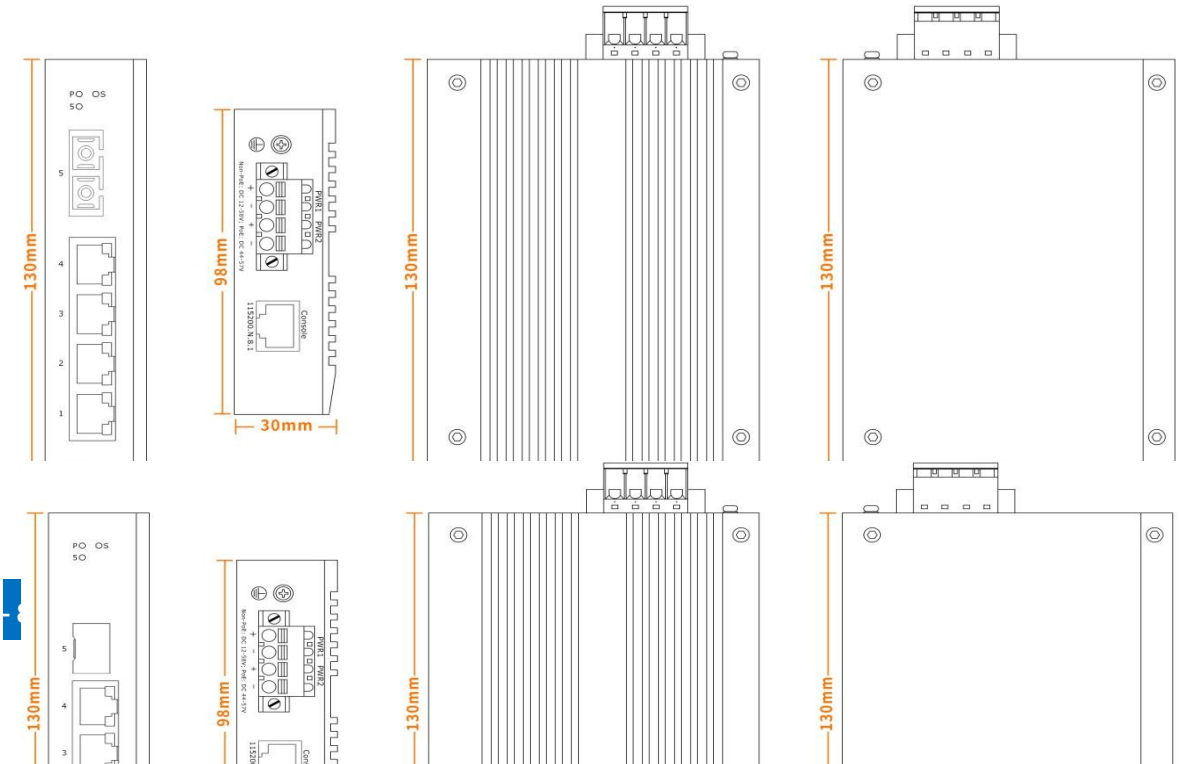
	IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
LED Indicator		
P (Power Indicator)	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-4 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: Port speed is 10M
	On: Port link is active	On: Port speed is 100M
	Blinking: Data transmission on TX/RX	
5 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	12-58VDC (redundant power input)	
Input current	0.5A Max	
Total power consumption	Full load ≤5W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	
Layer 2 Management Function		
Port aggregation	Support static aggregation Support dynamic aggregation	
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage	
VLAN	Support access mode Support trunk mode Support hybrid mode	
Port mirroring	Support many to one port mirroring	
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring	

	Recovery time≤20ms
Multicast	IGMP V1, V2C, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading
Switching Feature	
Switching capacity	1.0 Gbps
Packet forwarding rate	1.48 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported

Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:

SC/FC/ST Interface



Model No.	Description
LV-MIES0104F-SFP	Managed industrial Ethernet switch, 4*10/100Base-TX RJ45 ports and 1*100Base-X SFP slot, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)
LV-MIES0104F-SC	Managed industrial Ethernet switch, 4*10/100Base-TX RJ45 ports and 1*100Base-FX SC port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
LV-MIES0104F-FC	Managed industrial Ethernet switch, 4*10/100Base-TX RJ45 ports and 1*100Base-FX FC port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
LV-MIES0104F-ST	Managed industrial Ethernet switch, 4*10/100Base-TX RJ45 ports and 1*100Base-FX ST port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature

Order Information:

LV-MIES0204F Series

4*10/100Base-TX to 2*100Base-X Managed Industrial Ethernet Switch

CE FCC RoHS compliant

Features:

- 4*10/100Base-TX RJ45 ports.
- 2*100Base-X SFP slots.
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0204F is a managed industrial-grade Ethernet switch with 4-port 10/100Base-TX RJ45 and 2-

port 100Base-X SFP slots. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0204F offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0204F series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

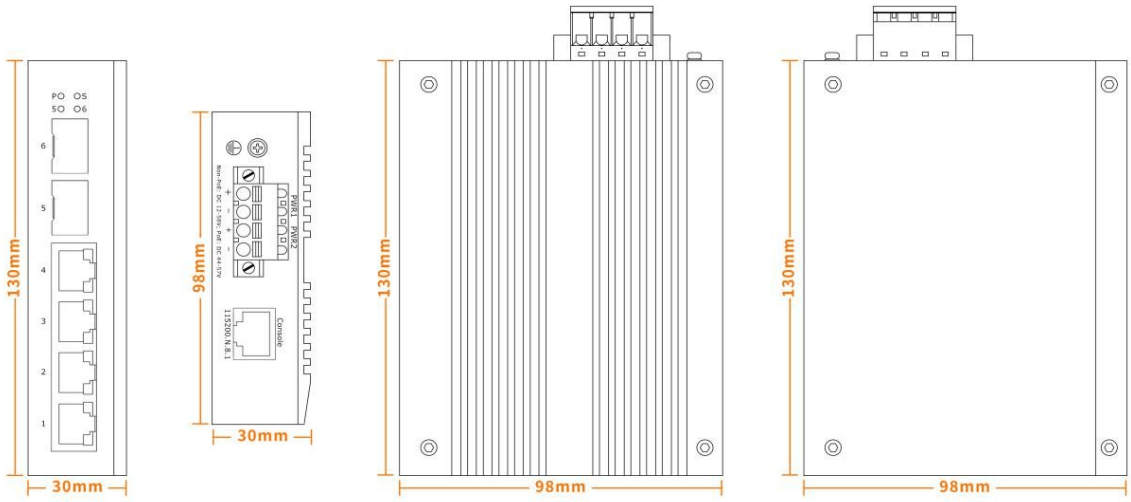
<table>
<tr><td rowspan="3">Interface</td><td>Fiber port</td><td>Ethernet (RJ45) port</td></tr>
<tr><td>2</td><td>4</td></tr>
<tr><td colspan="2">4*10/100Base-TX RJ45 ports
2*100Base-X SFP slots</td></tr>
<tr><td>Management Port</td><td colspan="2">1*RJ45 console port</td></tr>
<tr><td>Standard</td><td colspan="2">IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3x flow control and back pressure
IEEE 802.1D spanning tree protocol
IEEE 802.1w rapid spanning tree protocol
IEEE 802.1Q VLAN tagging
ITU-T G.8032 ERPS
IEEE 802.1X port authentication network control
IEEE 802.1ab LLDP
IEEE 802.3ad LACP</td></tr>
<tr><td colspan="3">LED Indicator</td></tr>
<tr><td>P (Power Indicator)</td><td colspan="2">Off: Device power is off or a failure has occurred</td></tr>
<tr><td>S (System Indicator)</td><td>Blinking: Device initialization</td><td>On: Device operating normally</td></tr>
<tr><td rowspan="3">1-4 (RJ45 Port)</td><td>Green Indicator</td><td>Yellow Indicator</td></tr>
<tr><td>Off: Port link is inactive</td><td>Off: Port speed is 10M</td></tr>
<tr><td>On: Port link is active</td><td>On: Port speed is 100M</td></tr>
</table>

	Blinking: Data transmission on TX/RX	
5-6 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	12-58VDC (redundant power input)	
Input current	0.5A Max	
Total power consumption	Full load ≤5W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	
Layer 2 Management Function		
Port aggregation	Support static aggregation Support dynamic aggregation	
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage	
VLAN	Support access mode Support trunk mode Support hybrid mode	
Port mirroring	Support many to one port mirroring	
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms	
Multicast	IGMP V1, V2C, V3 IGMP snooping	
QoS	Ingress port-based rate-limit Egress port-based rate-limit	
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation	
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2/V3	

	Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading
Switching Feature	
Switching capacity	1.2 Gbps
Packet forwarding rate	1.78 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)

Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIES0204F	Managed industrial Ethernet switch, 4*10/100Base-TX RJ45 ports and 2*100Base-X SFP slots, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIES0104G Series

4*10/100/1000Base-TX to 1*1000Base-FX Managed Industrial Ethernet Switch

Features:

- 4*10/100/1000Base-TX RJ45 ports.
- 1*1000Base-FX SC/SFP fiber port (FC or ST optional).
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0104G is a managed industrial-grade Ethernet switch with 4-port 10/100/1000Base-TX RJ45 and 1-port 1000Base-FX SC/SFP (FC or ST optional) fiber optical interface. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0104G offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0104G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging

environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

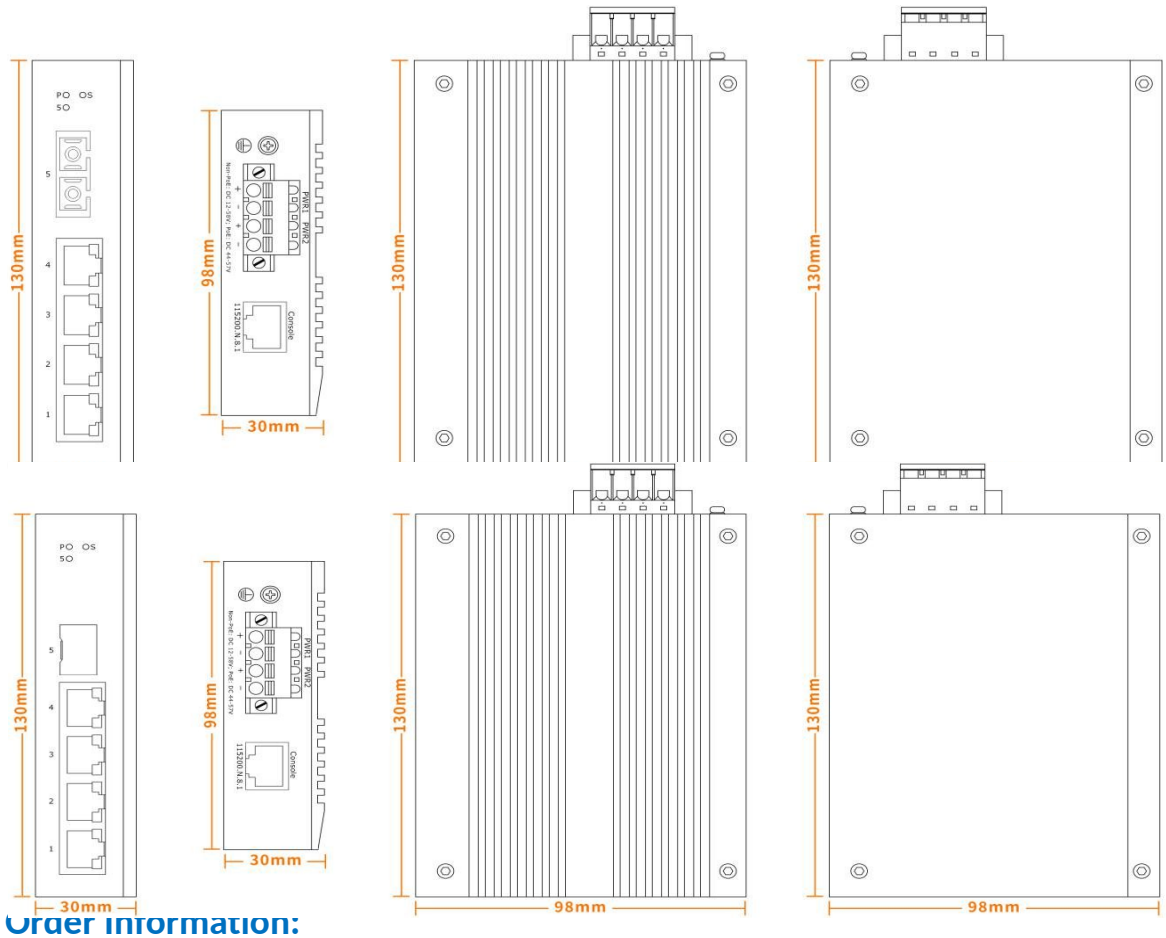
<table>
<tr><td rowspan="3">Interface</td><td>Fiber port</td><td>Ethernet (RJ45) port</td></tr>
<tr><td>1</td><td>4</td></tr>
<tr><td colspan="2">4*10/100/1000Base-TX RJ45 ports
1*1000Base-FX SC/SFP fiber port (FC or ST optional)</td></tr>
<tr><td>Management Port</td><td colspan="2">1*RJ45 console port</td></tr>
<tr><td>Standard</td><td colspan="2">IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-X
IEEE 802.3x flow control and back pressure
IEEE 802.1D spanning tree protocol
IEEE 802.1w rapid spanning tree protocol
IEEE 802.1Q VLAN tagging
ITU-T G.8032 ERPS
IEEE 802.1X port authentication network control
IEEE 802.1ab LLDP
IEEE 802.3ad LACP</td></tr>
<tr><td colspan="3">LED Indicator</td></tr>
<tr><td>P (Power Indicator)</td><td colspan="2">Off: Device power is off or a failure has occurred</td></tr>
<tr><td>S (System Indicator)</td><td>Blinking: Device initialization</td><td>On: Device operating normally</td></tr>
<tr><td rowspan="4">1-4 (RJ45 Port)</td><td>Green Indicator</td><td>Yellow Indicator</td></tr>
<tr><td>Off: Port link is inactive</td><td>Off: Port speed is 10/100M</td></tr>
<tr><td>On: Port link is active</td><td rowspan="2">On: Port speed is 1000M</td></tr>
<tr><td>Blinking: Data transmission on TX/RX</td></tr>
<tr><td rowspan="3">5 (Fiber Port) Green</td><td colspan="2">Off: Port link is inactive</td></tr>
<tr><td colspan="2">On: Port link is active</td></tr>
<tr><td colspan="2">Blinking: Data transmission on TX/RX</td></tr>
<tr><td colspan="3">Power Parameter</td></tr>
<tr><td>Input voltage</td><td colspan="2">12-58VDC (redundant power input)</td></tr>
<tr><td>Input current</td><td colspan="2">0.5A Max</td></tr>
</table>

Total power consumption	Full load ≤6W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Supported
Over-voltage protection	Supported
Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading

Switching Feature	
Switching capacity	10.0 Gbps
Packet forwarding rate	14.8 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:

SC/FC/ST Interface



Order Information:

Model No.	Description
LV-MIES0104G-SFP	Managed industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 ports and 1*1000Base-X SFP slot, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)
LV-MIES0104G-SC	Managed industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 ports and 1*1000Base-FX SC port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
LV-MIES0104G-FC	Managed industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 ports and 1*1000Base-FX FC port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
LV-MIES0104G-ST	Managed industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 ports and 1*1000Base-FX ST port, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature

LV-MIES0204G Series

4*10/100/1000Base-TX to 2*1000Base-X Managed Industrial Ethernet Switch

Features:

- 4*10/100/1000Base-TX RJ45 ports.
- 2*1000Base-X SFP slots.
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0204G is a managed industrial-grade Ethernet switch with 4-port 10/100/1000Base-TX RJ45 and 2-port 1000Base-X SFP slots. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0204G offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0204G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and

process automation, these switches exceed standard commercial product specifications.

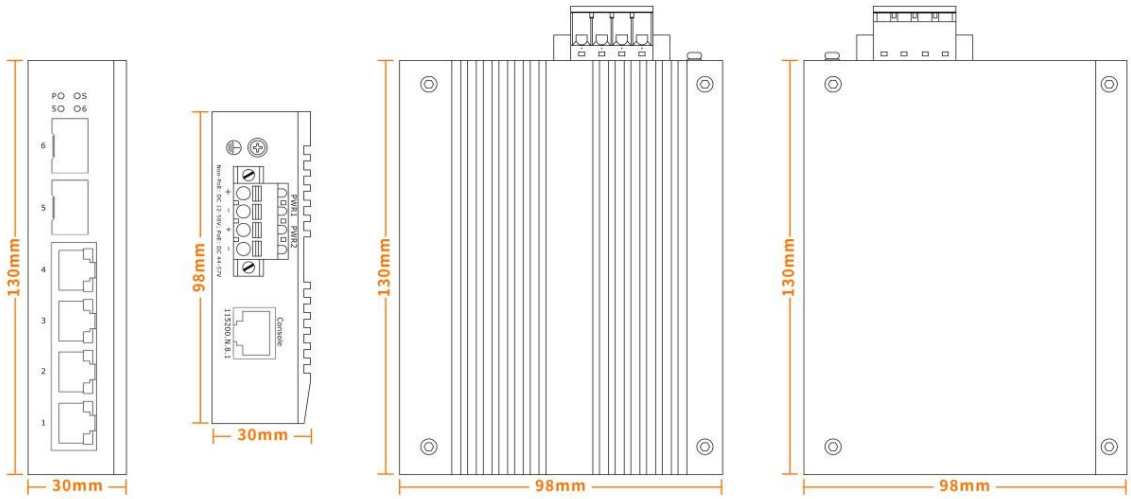
Technical Specification:

Interface	Fiber port	Ethernet (RJ45) port
	2	4
	4*10/100/1000Base-TX RJ45 ports 2*1000Base-X SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
LED Indicator		
P (Power Indicator)	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-4 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: Port speed is 10/100M
	On: Port link is active	On: Port speed is 1000M
	Blinking: Data transmission on TX/RX	
5-6 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	12-58VDC (redundant power input)	
Input current	0.5A Max	
Total power consumption	Full load ≤6W	

Connector	Removable 4-pin terminal block
Reverse polarity protection	Supported
Over-voltage protection	Supported
Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading
Switching Feature	

Switching capacity	12.0 Gbps
Packet forwarding rate	17.8 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIES0204G	Managed industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 ports and 2*1000Base-X SFP slots, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIES0208G Series

8*10/100/1000Base-TX to 2*1.25G/2.5G SFP Managed Industrial Ethernet Switch

Features:

- 8*10/100/1000Base-TX RJ45 ports.
- 2*1.25G/2.5G SFP slots.
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0208G is a managed industrial-grade Ethernet switch with 8-port 10/100/1000Base-TX RJ45 and 2-port 1.25G/2.5G SFP slots. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0208G offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0208G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

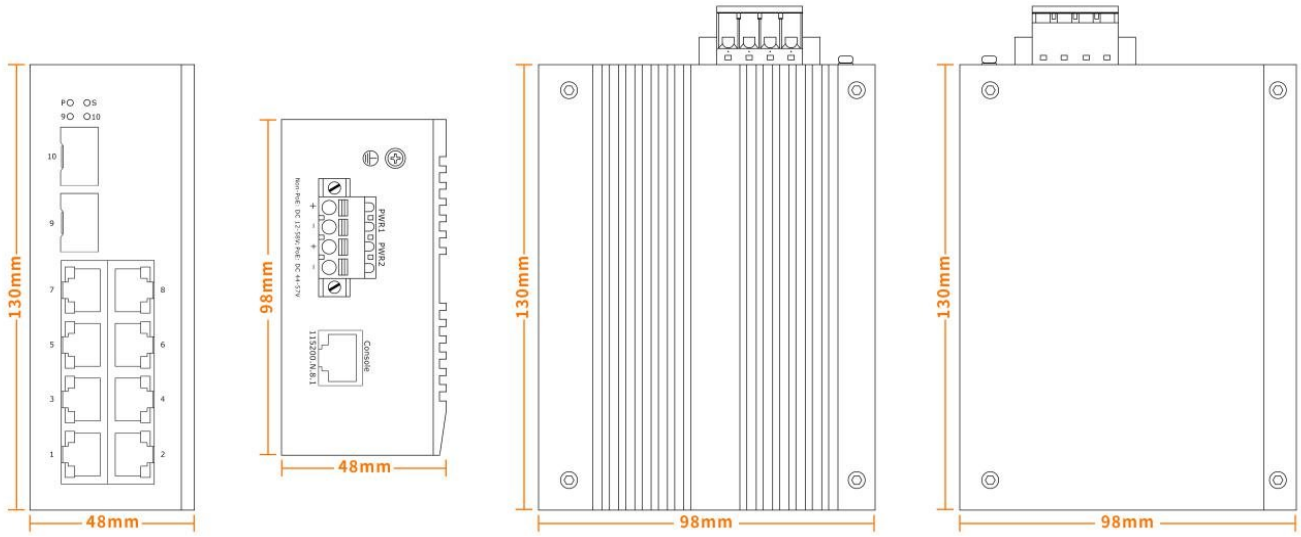
Technical Specification:

Interface	Fiber port	Ethernet (RJ45) port
	2	8
	8*10/100/1000Base-TX RJ45 ports 2*1.25G/2.5G SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
LED Indicator		
P (Power Indicator)	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-8 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: Port speed is 10/100M
	On: Port link is active	On: Port speed is 1000M
	Blinking: Data transmission on TX/RX	
9-10 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	12-58VDC (redundant power input)	
Input current	1.0A Max	
Total power consumption	Full load ≤10W	
Connector	Removable 4-pin terminal block	

Reverse polarity protection	Supported
Over-voltage protection	Supported
Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2C, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading
Switching Feature	
Switching capacity	26.0 Gbps

Packet forwarding rate	38.6 Mpps
MAC address table	16K
VLAN	4K
Buffer	2M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	48*98*130 mm
Weight	0.7 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIES0208G	Managed industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 ports and 2*1.25G/2.5G SFP slots, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIES0408G Series

8*10/100/1000Base-TX to 4*1.25G/2.5G SFP Managed Industrial Ethernet Switch

Features:

- 8*10/100/1000Base-TX RJ45 ports.
- 4*1.25G/2.5G SFP slots.
- Supports 12-58VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Layer 2 management functions supported: VLAN, VLAN Classification, QinQ, STP/RSTP/MSTP, Port mirroring, DHCP, Multicast, ACL, IGMP, QoS, LLDP, 802.1X, Dying Gasp, Fiber transceiver DDM, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIES0408G is a managed industrial-grade Ethernet switch with 8-port 10/100/1000Base-TX RJ45 and 4-port 1.25G/2.5G SFP slots. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIES0408G offers management options such as Web, SNMP, and Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, and IPV6 management.

The LV-MIES0408G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 12-58VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

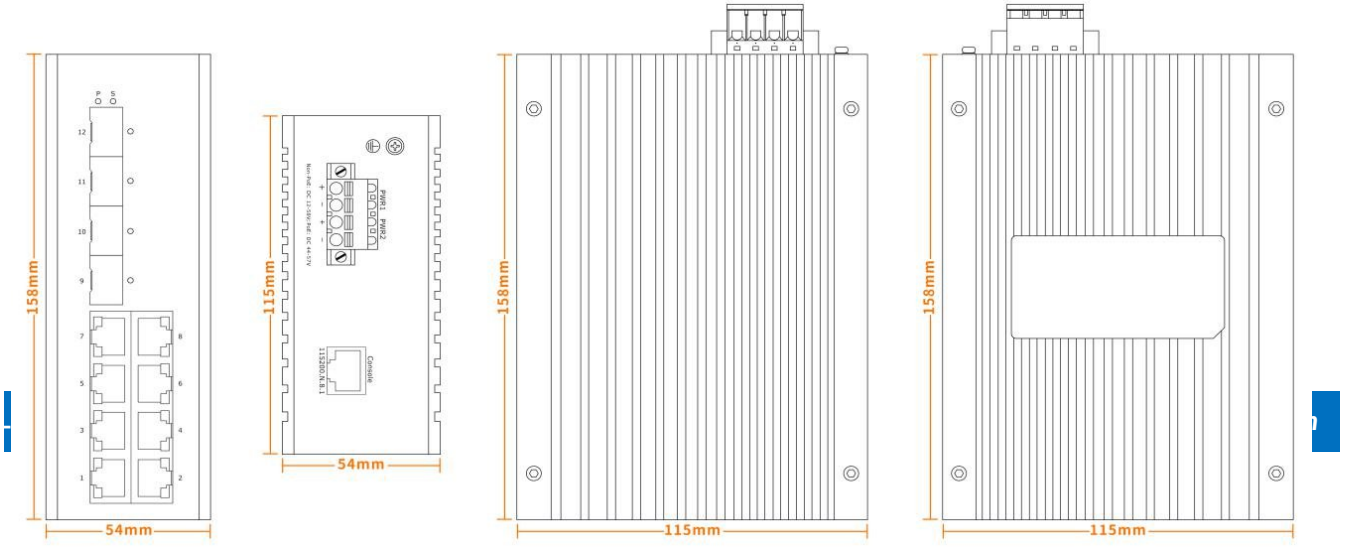
Interface	Fiber port	Ethernet (RJ45) port

	4	8
	8*10/100/1000Base-TX RJ45 ports 4*1.25G/2.5G SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
LED Indicator		
P (Power Indicator)	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-8 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: Port speed is 10/100M
	On: Port link is active	On: Port speed is 1000M
	Blinking: Data transmission on TX/RX	
9-12 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	12-58VDC (redundant power input)	
Input current	1.2A Max	
Total power consumption	Full load ≤15W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	

Layer 2 Management Function	
Port aggregation	Support GE port aggregation Support 2.5GE aggregation Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2C, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2/V3 Support web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON(remote monitoring) alarm Support NTP Support temperature monitoring Support Ping , Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support TFTP, web upgrading
Switching Feature	
Switching capacity	36.0 Gbps
Packet forwarding rate	53.5 Mpps
MAC address table	16K
VLAN	4K
Buffer	12M
Forwarding delay	<10us
Jumbo frame	10K bytes

MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	54*115*158 mm
Weight	1.2 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	EMI: FCC Part 15B Class A Surge protection of power: IEC 61000-4-5 6kV/4kV (8/20us) Surge protection of Ethernet port: IEC 61000-4-5 6kV/2kV (10/700us) RS: IEC 61000-4-3 80 MHz-1 GHz: 10V/m EFT: IEC 61000-4-4, power interface: 4kV, Ethernet port: 2kV CS: IEC 61000-4-6 10V ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIES0408G	Managed industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 ports and 4*1.25G/2.5G SFP slots, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIPS0104F

4*10/100Base-TX to 1*100Base-FX Managed Industrial PoE Switch

Features:

- 4*10/100Base-TX RJ45 PoE ports.
- 1*100Base-FX SC/SFP fiber port (FC or ST optional).
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0104F is a managed industrial-grade PoE switch with 4-port 10/100Base-TX RJ45 PoE and 1-port 100Base-FX SC/SFP (FC or ST optional) fiber optical interface. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0104F offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0104F series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

<table>
<tr><td rowspan="3">Interface</td><td>Fiber port</td><td>Ethernet (RJ45) port</td></tr>
<tr><td>1</td><td>4</td></tr>
<tr><td colspan="2">4*10/100Base-TX RJ45 PoE ports
1*100Base-FX SC/SFP fiber port (FC or ST optional)</td></tr>
<tr><td>Management Port</td><td colspan="2">1*RJ45 console port</td></tr>
<tr><td>Standard</td><td colspan="2">IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3x flow control and back pressure
IEEE 802.1D spanning tree protocol
IEEE 802.1w rapid spanning tree protocol
IEEE 802.1Q VLAN tagging
ITU-T G.8032 ERPS
IEEE 802.1X port authentication network control
IEEE 802.1ab LLDP
IEEE 802.3ad LACP
IEEE 802.3af Power Over Ethernet (PoE)
IEEE 802.3at Power Over Ethernet plus PSE (PoE+)</td></tr>
<tr><td colspan="3">LED Indicator</td></tr>
<tr><td>P (Power Indicator) Green</td><td colspan="2">Off: Device power is off or a failure has occurred</td></tr>
<tr><td>S (System Indicator)</td><td>Blinking: Device initialization</td><td>On: Device operating normally</td></tr>
<tr><td rowspan="2">1-4 (RJ45 Port)</td><td>Green Indicator</td><td>Yellow Indicator</td></tr>
<tr><td>Off: Port link is inactive</td><td>Off: PoE not operational</td></tr>
</table>

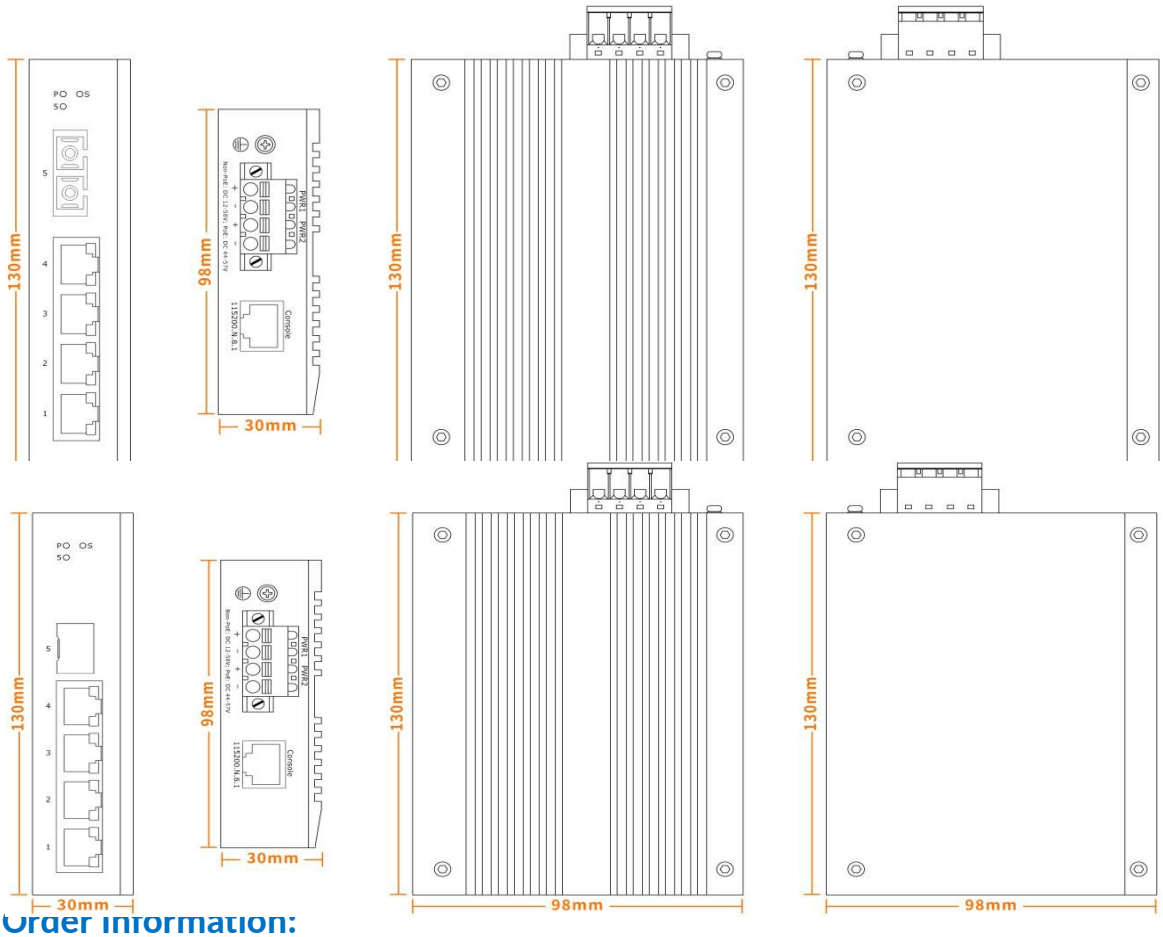
	On: Port link is active	On: PoE operational
	Blinking: Data transmission on TX/RX	
5 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	44-57VDC (redundant power input)	
Input current	3.0A Max	
Total power consumption	Full load without PoE≤5W PoE power budget≤120W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	
Layer 2 Management Function		
Port aggregation	Support static aggregation Support dynamic aggregation	
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage	
VLAN	Support access mode Support trunk mode Support hybrid mode	
Port mirroring	Support many to one port mirroring	
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms	
Multicast	IGMP V1, V2, V3 IGMP snooping	
QoS	Ingress port-based rate-limit Egress port-based rate-limit	
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation	
Management and maintenance	Support LLDP	

	Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON (remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading
Switching Feature	
Switching capacity	1.0 Gbps
Packet forwarding rate	1.48 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg

Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:

SC/FC/ST Interface

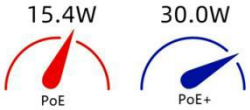


Order Information:

Model No.	Description

LV-MIPS0104F-SFP	Managed industrial PoE switch, 4*10/100Base-TX PoE ports and 1*100Base-X SFP slot, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)
LV-MIPS0104F-SC	Managed industrial PoE switch, 4*10/100Base-TX PoE ports and 1*100Base-FX SC port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature
LV-MIPS0104F-FC	Managed industrial PoE switch, 4*10/100Base-TX PoE ports and 1*100Base-FX FC port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature
LV-MIPS0104F-ST	Managed industrial PoE switch, 4*10/100Base-TX PoE ports and 1*100Base-FX ST port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 2Km, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature

4*10/100Base-TX to 2*100Base-X Managed Industrial PoE Switch



CE FCC RoHS compliant

Features:

- 4*10/100Base-TX RJ45 PoE ports.
- 2*100Base-X SFP slots.
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0204F is a managed industrial-grade PoE switch with 4-port 10/100Base-TX RJ45 PoE and 2-port 100Base-X SFP slots. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery

mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0204F offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0204F series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

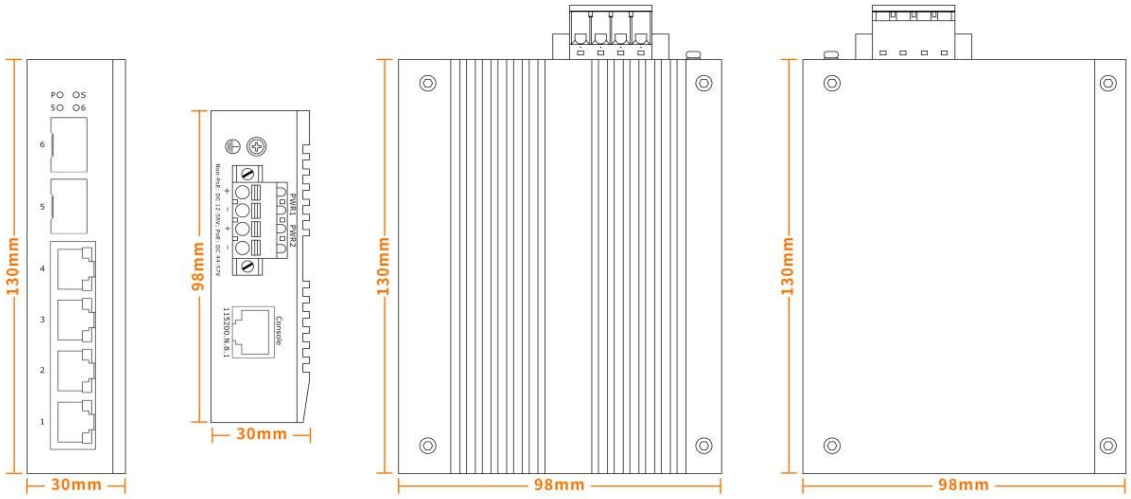
<table>
<tr><td rowspan="3">Interface</td><td>Fiber port</td><td>Ethernet (RJ45) port</td></tr>
<tr><td>2</td><td>4</td></tr>
<tr><td colspan="2">4*10/100Base-TX RJ45 PoE ports
2*100Base-X SFP slots</td></tr>
<tr><td>Management Port</td><td colspan="2">1*RJ45 console port</td></tr>
<tr><td>Standard</td><td colspan="2">IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3x flow control and back pressure
IEEE 802.1D spanning tree protocol
IEEE 802.1w rapid spanning tree protocol
IEEE 802.1Q VLAN tagging
ITU-T G.8032 ERPS
IEEE 802.1X port authentication network control
IEEE 802.1ab LLDP
IEEE 802.3ad LACP
IEEE 802.3af Power Over Ethernet (PoE)
IEEE 802.3at Power Over Ethernet plus PSE (PoE+)</td></tr>
<tr><td colspan="3">LED Indicator</td></tr>
<tr><td>P (Power Indicator) Green</td><td colspan="2">Off: Device power is off or a failure has occurred</td></tr>
<tr><td>S (System Indicator)</td><td>Blinking: Device initialization</td><td>On: Device operating normally</td></tr>
<tr><td rowspan="4">1-4 (RJ45 Port)</td><td>Green Indicator</td><td>Yellow Indicator</td></tr>
<tr><td>Off: Port link is inactive</td><td>Off: PoE not operational</td></tr>
<tr><td>On: Port link is active</td><td rowspan="2">On: PoE operational</td></tr>
<tr><td>Blinking: Data transmission on TX/RX</td></tr>
<tr><td>5-6 (Fiber Port) Green</td><td colspan="2">Off: Port link is inactive</td></tr>
</table>

	On: Port link is active
	Blinking: Data transmission on TX/RX
Power Parameter	
Input voltage	44-57VDC (redundant power input)
Input current	3.0A Max
Total power consumption	Full load without PoE≤5W PoE power budget≤120W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Supported
Over-voltage protection	Supported
Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading

	Support RMON (remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading
Switching Feature	
Switching capacity	1.2 Gbps
Packet forwarding rate	1.78 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)

Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIPS0204F	Managed industrial PoE switch, 4*10/100Base-TX PoE ports and 2*100Base-X SFP slots, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIPS0104G Series

4*10/100/1000Base-TX to 1*1000Base-FX Managed Industrial PoE Switch

Features:

- 4*10/100/1000Base-TX RJ45 PoE ports.
- 1*1000Base-FX SC/SFP fiber port (FC or ST optional).
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0104G is a managed industrial-grade PoE switch with 4-port 10/100/1000Base-TX RJ45 PoE and 1-port 1000Base-FX SC/SFP (FC or ST optional) fiber optical interface. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0104G offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0104G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range

from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

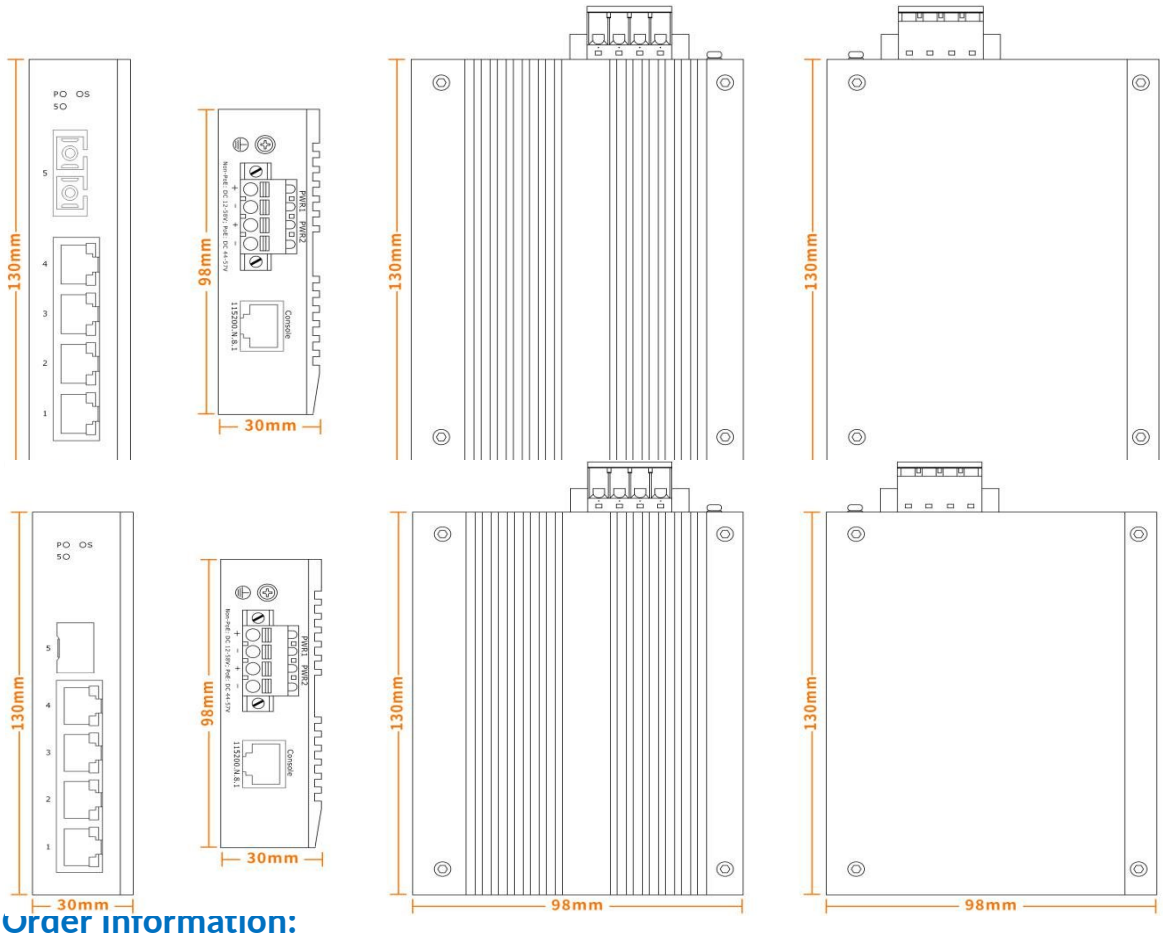
<table>
<tr><td rowspan="3">Interface</td><td>Fiber port</td><td>Ethernet (RJ45) port</td></tr>
<tr><td>1</td><td>4</td></tr>
<tr><td colspan="2">4*10/100/1000Base-TX RJ45 PoE ports
1*1000Base-FX SC/SFP fiber port (FC or ST optional)</td></tr>
<tr><td>Management Port</td><td colspan="2">1*RJ45 console port</td></tr>
<tr><td>Standard</td><td colspan="2">IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-X
IEEE 802.3x flow control and back pressure
IEEE 802.1D spanning tree protocol
IEEE 802.1w rapid spanning tree protocol
IEEE 802.1Q VLAN tagging
ITU-T G.8032 ERPS
IEEE 802.1X port authentication network control
IEEE 802.1ab LLDP
IEEE 802.3ad LACP
IEEE 802.3af Power Over Ethernet (PoE)
IEEE 802.3at Power Over Ethernet plus PSE (PoE+)</td></tr>
<tr><td colspan="3">LED Indicator</td></tr>
<tr><td>P (Power Indicator) Green</td><td colspan="2">Off: Device power is off or a failure has occurred</td></tr>
<tr><td>S (System Indicator)</td><td>Blinking: Device initialization</td><td>On: Device operating normally</td></tr>
<tr><td rowspan="4">1-4 (RJ45 Port)</td><td>Green Indicator</td><td>Yellow Indicator</td></tr>
<tr><td>Off: Port link is inactive</td><td>Off: PoE not operational</td></tr>
<tr><td>On: Port link is active</td><td rowspan="2">On: PoE operational</td></tr>
<tr><td>Blinking: Data transmission on TX/RX</td></tr>
<tr><td rowspan="3">5 (Fiber Port) Green</td><td colspan="2">Off: Port link is inactive</td></tr>
<tr><td colspan="2">On: Port link is active</td></tr>
<tr><td colspan="2">Blinking: Data transmission on TX/RX</td></tr>
<tr><td colspan="3">Power Parameter</td></tr>
<tr><td>Input voltage</td><td colspan="2">44-57VDC (redundant power input)</td></tr>
<tr><td>Input current</td><td colspan="2">3.0A Max</td></tr>
</table>

Total power consumption	Full load without PoE≤6W PoE power budget≤120W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Supported
Over-voltage protection	Supported
Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON (remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading

Switching Feature	
Switching capacity	10.0 Gbps
Packet forwarding rate	14.8 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:

SC/FC/ST Interface



Order Information:

Model No.	Description
LV-MIPS0104G-SFP	Managed industrial PoE switch, 4*10/100/1000Base-TX PoE ports and 1*1000Base-X SFP slot, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)
LV-MIPS0104G-SC	Managed industrial PoE switch, 4*10/100/1000Base-TX PoE ports and 1*1000Base-FX SC port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature
LV-MIPS0104G-FC	Managed industrial PoE switch, 4*10/100/1000Base-TX PoE ports and 1*1000Base-FX FC port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature
LV-MIPS0104G-ST	Managed industrial PoE switch, 4*10/100/1000Base-TX PoE ports and 1*1000Base-FX ST port, Compliant with IEEE 802.3af/at standard, Multi-mode/Single-mode, Dual-fiber/Single-fiber, 550m, 20/40/60/80/100/120Km optional, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature

LV-MIPS0204G Series

4*10/100/1000Base-TX to 2*1000Base-X Managed Industrial PoE Switch

Features:

- 4*10/100/1000Base-TX RJ45 PoE ports.
- 2*1000Base-X SFP slots.
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0204G is a managed industrial-grade PoE switch with 4-port 10/100/1000Base-TX RJ45 PoE and 2-port 1000Base-X SFP slots. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0204G offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0204G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

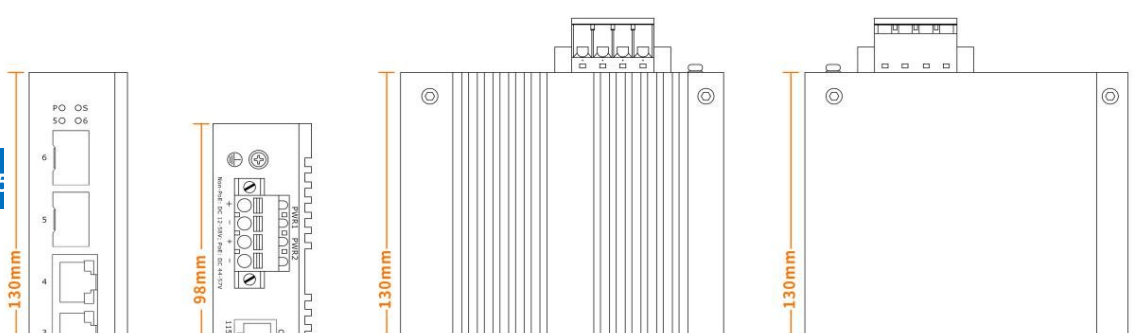
Technical Specification:

Interface	Fiber port	Ethernet (RJ45) port
	2	4
	4*10/100/1000Base-TX RJ45 PoE ports 2*1000Base-X SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP IEEE 802.3af Power Over Ethernet (PoE) IEEE 802.3at Power Over Ethernet plus PSE (PoE+)	
LED Indicator		
P (Power Indicator) Green	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-4 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: PoE not operational
	On: Port link is active	On: PoE operational
	Blinking: Data transmission on TX/RX	
5-6 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	44-57VDC (redundant power input)	
Input current	3.0A Max	
Total power consumption	Full load without PoE≤6W PoE power budget≤120W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	

Layer 2 Management Function	
Port aggregation	Support static aggregation Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON (remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading
Switching Feature	
Switching capacity	12.0 Gbps

Packet forwarding rate	17.8 Mpps
MAC address table	8K
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	30*98*130 mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIPS0204G	Managed industrial PoE switch, 4*10/100/1000Base-TX PoE ports and 2*1000Base-X SFP slots, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIPS0208G Series

8*10/100/1000Base-TX to 2*1.25G/2.5G SFP Managed Industrial PoE Switch

Features:

- 8*10/100/1000Base-TX RJ45 PoE ports.
- 2*1.25G/2.5G SFP slots.
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, Port mirroring, IGMP, QoS, LLDP, 802.1X, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0208G is a managed industrial-grade PoE switch with 8-port 10/100/1000Base-TX RJ45 PoE and 2-port 1.25G/2.5G SFP slots. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0208G offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0208G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

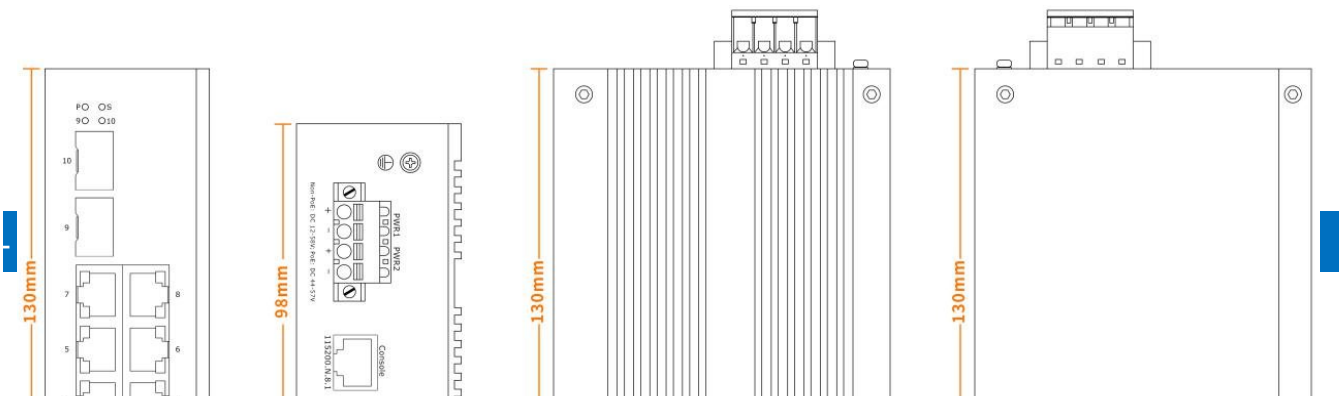
Interface	Fiber port	Ethernet (RJ45) port
	2	8

	8*10/100/1000Base-TX RJ45 PoE ports 2*1.25G/2.5G SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP IEEE 802.3af Power Over Ethernet (PoE) IEEE 802.3at Power Over Ethernet plus PSE (PoE+)	
LED Indicator		
P (Power Indicator) Green	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-8 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: PoE not operational
	On: Port link is active	On: PoE operational
	Blinking: Data transmission on TX/RX	
9-10 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	44-57VDC (redundant power input)	
Input current	5.7A Max	
Total power consumption	Full load without PoE≤10W PoE power budget≤240W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	
Layer 2 Management Function		
Port aggregation	Support static aggregation	

	Support dynamic aggregation
Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON (remote monitoring) alarm Support NTP Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading
Switching Feature	
Switching capacity	26.0 Gbps
Packet forwarding rate	38.6 Mpps

MAC address table	16K
VLAN	4K
Buffer	2M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	
Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	48*98*130 mm
Weight	0.7 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4kV/2kV, 8/20us) Surge protection of Ethernet port: IEC 61000-4-5 Level 3 (4kV/2kV, 10/700us) DIP: IEC 61000-4-11 Level 3 (10V) ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



Order Information:

Model No.	Description
LV-MIPS0208G	Managed industrial PoE switch, 8*10/100/1000Base-TX PoE ports and 2*1.25G/2.5G SFP slots, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

LV-MIPS0408G Series

8*10/100/1000Base-TX to 4*1.25G/2.5G SFP Managed Industrial PoE Switch

Features:

- 8*10/100/1000Base-TX RJ45 PoE ports.
- 4*1.25G/2.5G SFP slots.
- Supports 44-57VDC input, redundant power supply with reverse polarity and over-voltage protection.
- Compliant with IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Layer 2 management functions supported: VLAN, VLAN Classification, QinQ, STP/RSTP/MSTP, Port mirroring, DHCP, Multicast, ACL, IGMP, QoS, LLDP, 802.1X, Dying Gasp, Fiber transceiver DDM, PoE management, IPV6 management, Web, SNMP, Telnet, TFTP, Web upgrading.
- G.8032 ERPS Ring-network protocol support with a fast recovery time ≤ 20ms.
- IP40-rated fan-less aluminum alloy housing with DIN-Rail hardware design.
- Operating temperature range: -40℃ to 75℃.

Overview:

The Linkvue LV-MIPS0408G is a managed industrial-grade PoE switch with 8-port 10/100/1000Base-TX RJ45 PoE and 4-port 1.25G/2.5G SFP slots. It complies with the IEEE 802.3af/at standard PoE protocol, with a maximum power consumption of up to 30W (PoE+) per port. It supports ERPS for Ring-network redundancy, with a self-recovery mechanism of less than 20ms at full load, ensuring a dependable Ethernet network by establishing a redundant ring topology as a backup solution. The LV-MIPS0408G offers management options such as Web, SNMP, Telnet, and includes features such as QoS, VLAN, IGMP, port mirroring, 802.1X, LLDP, fiber transceiver DDM, PoE management, IPV6 management.

The LV-MIPS0408G series offers a cost-effective and user-friendly industrial Ethernet networking. With a wide power input range of 44-57VDC, redundant power design with safeguards against polarity reversal and over-voltage, a sturdy fan-less IP40 housing for DIN-Rail installation. It operates effectively in a wide temperature range from -40℃ to 75℃ and excels in high-level EMI/EMC performance. These switches are designed for challenging environments such as heavy industrial factories, transportation, oil & gas facilities, chemicals, IP surveillance, and process automation, these switches exceed standard commercial product specifications.

Technical Specification:

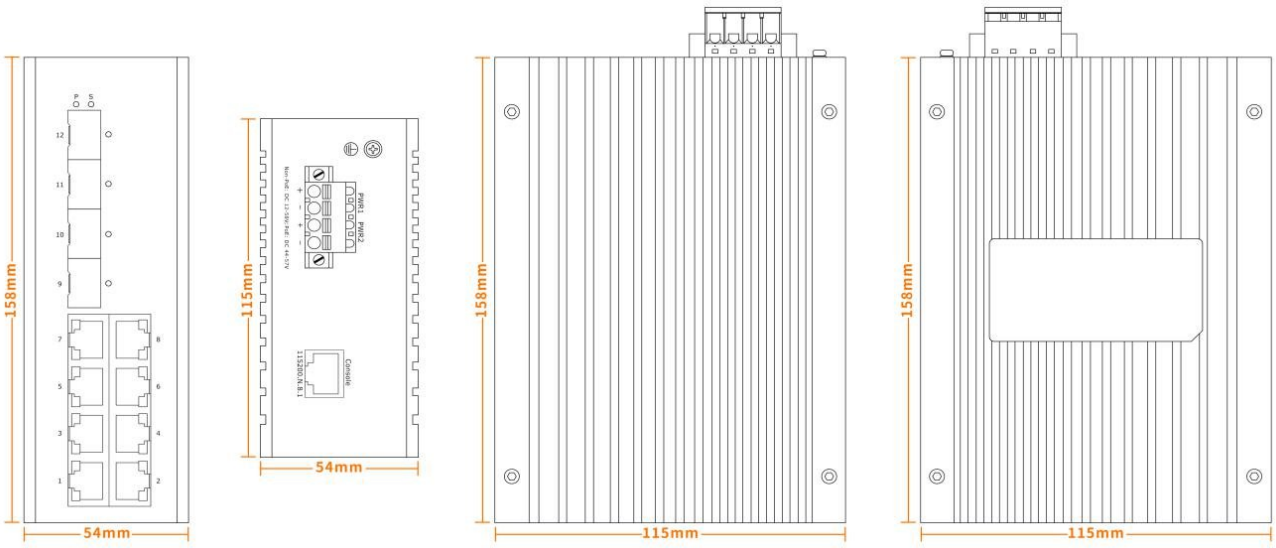
Interface	Fiber port	Ethernet (RJ45) port
	4	8
	8*10/100/1000Base-TX RJ45 PoE ports	

	4*1.25G/2.5G SFP slots	
Management Port	1*RJ45 console port	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3x flow control and back pressure IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol IEEE 802.1Q VLAN tagging ITU-T G.8032 ERPS IEEE 802.1X port authentication network control IEEE 802.1ab LLDP IEEE 802.3ad LACP IEEE 802.3af Power Over Ethernet (PoE) IEEE 802.3at Power Over Ethernet plus PSE (PoE+)	
LED Indicator		
P (Power Indicator) Green	Off: Device power is off or a failure has occurred	
S (System Indicator)	Blinking: Device initialization	On: Device operating normally
1-8 (RJ45 Port)	Green Indicator	Yellow Indicator
	Off: Port link is inactive	Off: PoE not operational
	On: Port link is active	On: PoE operational
	Blinking: Data transmission on TX/RX	
9-12 (Fiber Port) Green	Off: Port link is inactive	
	On: Port link is active	
	Blinking: Data transmission on TX/RX	
Power Parameter		
Input voltage	44-57VDC (redundant power input)	
Input current	5.7A Max	
Total power consumption	Full load without PoE≤10W PoE power budget≤240W	
Connector	Removable 4-pin terminal block	
Reverse polarity protection	Supported	
Over-voltage protection	Supported	
Layer 2 Management Function		
Port aggregation	Support static aggregation Support dynamic aggregation	

Port feature	Support IEEE802.3x flow control Support port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode
Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol, single ring, sub ring and associated sub ring Recovery time≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress port-based rate-limit Egress port-based rate-limit
Security feature	Support 802.1x, port authentication, MAC authentication, RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMP V1/V2C/V3 Support Web management, HTTP 1.1, HTTPS Support Syslog and alarm grading Support RMON (remote monitoring) alarm Support NTP Support temperature monitoring Support Ping, Tracert Support fiber transceiver DDM function Support TFTP client Support Telnet server Support SSH server Support IPV6 management Support PoE management Support TFTP, web upgrading
Switching Feature	
Switching capacity	36.0 Gbps
Packet forwarding rate	53.5 Mpps
MAC address table	16K
VLAN	4K
Buffer	12M
Forwarding delay	<10us
Jumbo frame	10K bytes
MDX/MIDX	Supported
Watchdog	Supported
Network Topology	

Star topology	Supported
Bus topology	Supported
Tree topology	Supported
Mechanical Structure	
IP grade	IP40
Installation method	DIN-Rail
Dimension (W*D*H)	54*115*158 mm
Weight	1.2 kg
Operating Environment	Operating temperature: -40℃ to 75℃ Storage temperature: -40℃ to 85℃ Relative humidity: 5% to 95% (non-condensing)
Industrial Standard	EMI: FCC Part 15B Class A Surge protection of power: IEC 61000-4-5 6kV/4kV (8/20us) Surge protection of Ethernet port: IEC 61000-4-5 6kV/2kV (10/700us) RS: IEC 61000-4-3 80 MHz-1 GHz: 10V/m EFT: IEC 61000-4-4, power interface: 4kV, Ethernet port: 2kV CS: IEC 61000-4-6 10V ESD: IEC 61000-4-2 Level 4 (8kV/15kV) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Structure Diagram:



E-mail: technical@linkvuesystem.com https://www.linkvuesystem.com

Order Information:

Model No.	Description
LV-MIPS0408G	Managed industrial PoE switch, 8*10/100/1000Base-TX PoE ports and 4*1.25G/2.5G SFP slots, Compliant with IEEE 802.3af/at standard, DIN-Rail, 44-57VDC, -40 to 75°C operating temperature (The transmission distance of the fiber port depends on the SFP transceiver)

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