

# I(P)GS-3008

## 8 10/100/1000T L2+ (8 PoE at/af) Industrial Managed Ethernet Switch w/ Enhanced G.8032 Ring

- Support IEEE802.3at/af up to 30W per port (for PoE model)
- PoE management incl, Detection and Scheduling (for PoE model)
- Ethernet galvanic isolation
- Enhanced G.8032 ring protection < 20ms for single ring. Supports enhanced mode and basic mode; Enhanced G.8032 ring covers multicast packets; MSTP 8 MSTI /RSTP
- Miss-wiring avoidance & node failure protection
- User-friendly UI, including auto topology drawing; Complete CLI.



- PoE model: Dual 9.5V~56VDC input (12V model; 9~36VDC w/E-marked); 9~36VDC (24V model); 44V~56VDC input (48V model)
- Non-PoE model: dual 9V~60VDC input (12V model; 9~36VDC w/E-marked); 9~36VDC (24V
- Optional Environmental monitoring function to display inside switch info incl. temperature, voltage, current, power consumption
- Only 24VDC input system is applicable for E-mark approval
- E-marking certificate for vehicle application

















## **OVERVIEW**

Lantech I(P)GS-3008 is a high performance L2+ all Gigabit switch with 8 10/100/1000T (w/8 PoE 802.3af/at) which provides L2 wire speed and advanced security function for network aggregation deployment. It delivers ITU G.8032 enhanced ring recovery less than 20ms for single ring, comprehensive QoS, VLAN, GVRP, advanced security SSH v2/SSL, INGRESS ACL L2/L3, IGMPv1/v2/v3/router port, DHCP server/relay, jumbo frame which are important features required in mid and large network. It also supports Cisco Discovery Protocol (CDP) and LLDP for Ciscoworks to detect

the switch info and to be shown on L2 map topology.

# Miss-wiring avoidance, Node failure protection, Loop

The I(P)GS-3008 also embedded several features for stronger and reliable network protection in an easy and intuitive way. When the pre-set ring configuration failed or looped by misswiring, Lantech I(P)GS-3008 being able to alert with the LED indicator and disable ring automatically. Node failure protection ensures the switches in a ring to survive after power breakout



is back. The status can be shown in NMS when each switch is back. Loop protection is also available to prevent the generation of broadcast storm when a dumb switch is inserted in a closed loop connection.

#### User-friendly GUI, Auto topology drawing

The user-friendly UI, innovative auto topology drawing and topology demo makes I(P)GS-3008 much easier to get handson. The complete CLI enables professional engineer to configure setting by command line.

#### Enhanced G.8032 ring, 8 MSTI MSTP

Lantech I(P)GS-3008 features enhanced G.8032 ring which can be self-healed in less than 20ms for single ring topology protection covering multicast packets. It also supports various ring topologies that covers enhanced ring and basic ring by easy setup than others. It supports MSTP that allows each spanning tree for each VLAN for redundant links with 8 MSTI.

#### DHCP option 82 & Port based, Mac based DHCP, Option66, **DHCP Snooping**

DHCP server can assign dedicated IP address by MAC or by port (Port based for single switch), it also can assign IP address by port for multiple switches with single DHCP option82 server. DHCP Snooping is supported. DHCP Option66 server can offer IP address of TFTP server to DHCP client for VOIP application.

#### GVRP supported

It supports the GVRP for large VLAN segmentation.

#### IGMPv3, GMRP, router port, static multicast forwarding and multicast Ring protection

The unique multicast protection under enhanced G.8032 ring can offer immediate self-recovery instead of waiting for IGMP table timeout. It also supports IGMPv3, GMRP, router port and static multicast forwarding binding by ports for video surveillance application.

#### Editable configuration text file; Factory reset button; CPU watchdog

The configuration file of Lantech I(P)GS-3008 can be exported in text file so that it can be edited and configured back to switch with ease for mass deployment. Factory reset button can restore the setting back to factory default and built-in watchdog design can automatically reboot the switch when CPU is found dead.

Event log; Relay alarm

In case of event, the I(P)GS-3008 being able to send SNMP Traps out immediately. Featured with relay contact alarm function, the I(P)GS-3008 being able to connect with alarm system in case of power failure and port disconnection. In case of such event, it will send out trap alerting to predefined users.

#### Dual power input design (12V or 24V or 48V input)

Lantech IPGS-3008-12V is designed with dual input power at 9.5V~56VDC while IGS-3008-12V is at 9V~60VDC. I(P)GS-3008-24V model allows with 9~36VDC input and 48V model with 44V~56VDC for PoE model. The PoE budget for 12V input is 60W and for 24V input is 120W, for 48V input is 240W. (For

I(P)GS-3008B-12V with E-marking accepts input 9~36VDC for vehicle transient protection.

#### Industrial hardened design for extended temperature operation

Lantech I(P)GS-3008 provides EFT/SURGE Ethernet ESD protection, which can reduce unstable situation caused by power line and Ethernet. It has high reliability and robustness coping with extensive EMI/RFI phenomenon, environmental vibration and shocks usually found in factory, substation, steel automation, aviation, mining and process control. It is the best solution for Automation, transportation, surveillance, Wireless backhaul, Semi-conductor factory and assembly lines.

#### E-marking certificate

The E-marking certificate makes it the most suitable PoE switch for bus, carriage, other vehicles application as well as for industrial areas where the power source is limited with 12V/24V but has demand of IP surveillance or VoIP applications. Only 12VDC or 24VDC input system is applicable for E-mark approval.

#### Environmental monitoring for switch inside information

The environmental monitoring can detect switch overall temperature, voltage and current where can send the SNMP traps when abnormal

The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C.

#### Editable configuration file

The configuration file of Lantech I(P)GS-3008 can be exported and edited with word processor for other switches configuration with ease.

The built-in watchdog design can automatically reboot the switch when CPU is found dead.

### **FEATURES & BENEFITS**

- 8 10/100/1000T (w/8 PoE 802.3af/at) ports Managed Ethernet Switch (Total 8 Ports Switch)
- Dual 9.5V~56VDC power input for 12V model; dual 9V~36VDC for 12V model with E-marking with PoE budget 60W at 12V input, 120W at 24V input, 240W at 48V input (For PoE Model)
- Dual 9V~60VDC power input for 12V model; dual
- 9V~36VDC for 12V model with E-marking and dual 9V~36VDC power input for 24V model without PoE
- PoE management including PoE detection and scheduling for PD (power devices) (For PoE Model)
- Back-plane (Switching Fabric): 16Gbps
- 16K MAC address table
- 10KB Jumbo frame supported



- User-friendly UI, auto topology drawing, topology demo, complete CLI for a professional setting
- Enhanced G.8032 Ring protection in 20ms (single ring)
  - Support various ring/chain topologies, including enhanced ring and basic ring
  - Enhanced G.8032 ring configuration with ease
  - Cover multicast and data packets protection
- Built-in RTC (Real Time Clock) to keep track of time
- Supports IEEE 802.1p Class of Service, per port provides 8 priority queues Port base, Tag Base and Type of Service Priority
- IEEE 802.1d STP, IEEE 802.1w RSTP,802.1s MSTP VLAN redundancy with 8 MSTI
- 4K 802.1Q VLAN, Port based VLAN, GVRP
- Supports IEEE 802.1ab LLDP, Cisco CDP; LLDP info can be viewed via Web/ Console
- DHCP server / client / DHCP Option 82 relay / DHCP
   Option 82 server; Port-based DHCP server; DHCP
   Snooping; DHCP option 66
- Bandwidth Control
  - Ingress packet filter
  - Broadcast/multicast packet filter control
- Relay alarm output system events
- Miss-wiring avoidance
  - LED indicator
- Node failure protection
  - Ensure the switches in a ring to survive after power breakout is back
  - The status can be shown in NMS when each
- TFTP/ HTTP firmware upgrade

#### Configuration backup and restoration

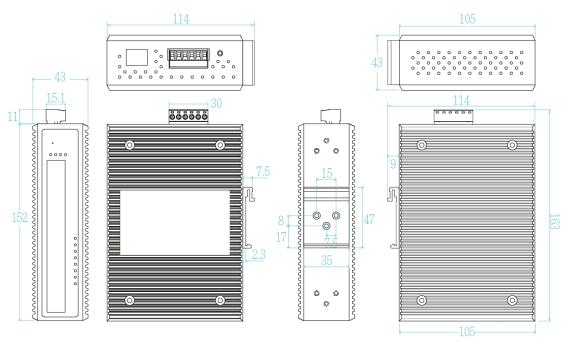
- Supports editable configuration file for system quick installation
- System Event Log and SNMP Trap for alarm support; 32 RMON counters
- Security
  - SSL/SSH v2/INGRESS ACL L2/L3
  - Port Security: MAC address entries/Filter/static
     MAC-Port binding
  - Remote Admin: IP address security
    management to prevent unauthorized intruder.
  - Login Security: IEEE802.1X/RADIUS
  - · HTTPS for secure access to the web interface
- Static multicast forwarding forward reversed IGMP flow with multicast packets binding with ports for IP surveillance application
- Multicast static forwarding for non- IGMP camera to prevent flooding; IGMP router port to assign query in ring and for reversed multicast video flow
- IGMPv1,v2,v3 with Query mode for multimedia;
  GMRP
- Factory reset button to restore setting to factory default
- Optional environmental monitoring for system input voltage, current, ambient temperature
- Watchdog design to auto reboot switch CPU is found dead
- E-marking certificate for vehicle application
- Only 24VDC input system is applicable for E-mark approval
- IP30 metal housing with DIN rail and Wall-mount\*\* design

Lantech

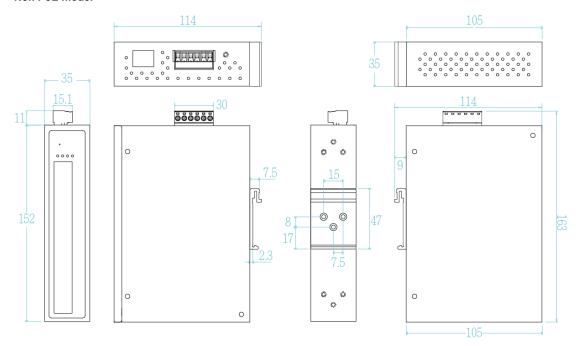


## **DIMENSIONS** (unit=mm)

#### PoE model



#### Non PoE model



## **SPECIFICATION**

Hardware Specification  Standards  IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 100Base-TX IEEE802.3ab 100Base-T Ethernet IEEE802.3ab 100Base-T Ethernet IEEE802.3b IEEE802.3b IEEE802.1AB Link Layer Discovery Protocol (LLDP) IEEE802.1A User Authentication (Radius) IEEE802.1C IC			
IEEE802.3u 100Base-TX IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T KIEEE802.3b 1000Base-T Ethernet IEEE802.3c Gigabit fiber IEEE802.3x Flow Control and Back Pressure IEEE802.3x Flow Control and Back Pressure IEEE802.3d Port trunk with LACP IEEE802.1d Spanning Tree IEEE802.1d Spanning Tree IEEE802.1d Spanning Tree Switch Architecture  Switch Architecture  IEEE802.1w Laper Discovery Protocol (LLDP) IEEE802.1x User Authentication (Radius) IEEE802.1c Class of Service IEEE802.1d VLAN Tag IEEE802.3v Flow Control and Back Pressure IEEE802.3d Flow Control and Back Pressure IEEE802.1d Spanning Tree Switch Architecture  Back-plane (Switching Fabric): 16Gbps	Hardware Specification		00 0
	Standards	IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T Ethernet IEEE802.3z Gigabit fiber IEEE802.3x Flow Control and Back Pressure IEEE802.3ad Port trunk with LACP IEEE802.1d Spanning Tree IEEE802.1w Rapid Spanning Tree	IEEE802.1AB Link Layer Discovery Protocol (LLDP) IEEE802.1X User Authentication (Radius) IEEE802.1p Class of Service IEEE802.1Q VLAN Tag IEEE802.3at/af Power over Ethernet (For PoE Model) Back-plane (Switching Fabric): 16Gbps

	148,800pps for Fast Ethernet port		enhanced mode)
E	1,488,000pps for Gigabit Fiber / Gigabit Ethernet port		Support various ring/chain topologies
Flash Mac Address	128M Byte 16K MAC address table		Includes basic single ring and enhanced ring
Jumbo frame	10KB		Enhanced G.8032 ring configuration with ease
Connectors	10/100/1000T: 8 x ports RJ-45 with Auto MDI/MDI-X		Cover multicast & data packets protection
	function	PoE Management	PoE Detection to check if PD is hang up
	Power & Relay connector: 1 x 6-pole terminal block	(For PoE Model)	then restart the PD
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable		PoE Scheduling to On/OFF PD upon routine time table
	EIA/TIA-568 100-ohm (100m)	Per Port PoE	On/ Off, voltage, current, watts, temperature
	100Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m)	Status (For PoE	on, tonago, ourions, nano, tomporatare
	1000Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable	Model)	
	EIA/TIA-568 100-ohm (100m)	User friendly UI	■ Auto topology drawing
LED	Per unit: Power 1 (Green), Power 2 (Green), FAULT		Topology demo
	(Red); RM(Green)	Port Trunk with	■ Complete CLI for professional setting  LACP Port Trunk: 8 Trunk groups/Maximum 10 trunk
	Ethernet port: Link/Activity (Green), Speed (Amber); PoE: Link/Act (Green)	LACP	members
Operating Humidity	5% ~ 95% (Non-condensing)	LLDP	Supports LLDP to allow switch to advise its
Operating	-20°C~60°C / -4°F~140°F (Standard model)		identification and capability on the LAN
Temperature	-40°C~75°C / -40°F~167°F(-E model)	CDP	Cisco Discovery Protocol for topology mapping
Storage	-40°C~85°C / -40°F~185°F	VLAN	Port Based VLAN
Temperature			IEEE 802.1Q Tag VLAN (256 entries)/ VLAN ID (Up
Power Supply	Non-PoE model:		to 4K, VLAN ID can be assigned from 1 to 4096.)  GVRP
	9~60VDC (12V model);9V~36VDC (12V model with	IPv6/4	Present
	E-marking) 9~36VDC (24V model)	RSTP/MSTP	Supports IEEE802.1d Spanning Tree and
	PoE model:		IEEE802.1w Rapid Spanning Tree, IEEE802.1s
	9.5~56VDC (12V model); 9V~36VDC (12V model		Multiple Spanning Tree 8 MSTI
	with E-marking)	Quality of Service	The quality of service determined by port, Tag and
	9~36VDC (24V model)		IPv4 Type of service, IPv4 Differentiated Services Code Points - DSCP
	44~56VDC (48V PoE model)	Class of Service	
Power	(All models with Ethernet galvanic isolation)  10W	Class of Service	Support IEEE802.1p class of service, per port provides 8 priority queues
Consumption	1000	Remote Admin	Supports 10 IP addresses that have permission to
PoE Budget (For	60W at 12V input; 120W at 24V input (12V model)		access the switch management and to prevent
PoE Model)	100W for 9~36VDC at 24V input (24V model)		unauthorized intruder.
	240W for 45~56VDC at 48V input (48V model)	Login Security	Supports IEEE802.1X Authentication/RADIUS
	(50-56VDC input is recommended for 802.3at 30W	Port Mirror	Support 3 mirroring types: "RX, TX and Both packet"
	applications)  Higher PoE budget can be applied upon request. **	Network Security	Support 10 IP addresses that have permission to
PoE pin	RJ-45 port # 1~ # 8 support IEEE 802.3at/af End-		access the switch management and to prevent
assignment (For	point. Per port provides up to 30W		unauthorized intruder.
PoE Model)	Positive (VCC+): RJ-45 pin 1,2.		Ingress ACL L2/L3
	Negative (VCC-): RJ-45 pin 3,6.		SSL/ SSH v2 for Management
Case Dimension	PoE model, Metal case.		HTTPS for secure access to the web interface
	IP-30, 43 (W) x 105 (D) x 152 (H) mm	IGMP	Support IGMP snooping v1,v2,v3; 1024 multicast
	Non-PoE model, Metal case. IP-30,		groups; IGMP router port ; IGMP query; GMRP
Weight	35 (W) x 105 (D) x 152 (H) mm 660 g	Static MAC-Port	Static multicast forwarding forward reversed IGMP
Installation	DIN Rail and Wall Mount** Design	bridge	flow with multicast packets binding with ports for IP surveillance application
EMI & EMS	FCC Part 15 Class A	Bandwidth Control	Support ingress packet filter.
	IEC/EN61000-6-2	Banawian Control	Ingress filter packet type combination rules are
	CE EN55032 Class A		Broadcast/Multicast/Flooded Unicast packet,
	CE EN55024: CE EN61000-4-2 (ESD) Level 3		Broadcast/Multicast packet, Broadcast packet only
	CE EN61000-4-3 (RS) Level 3		and all types of packet.
	CE EN61000-4-4 (EFT) Level 3		The packet filter rate can be set an accurate value through the pull-down menu for the ingress packet
	CE EN61000-4-5 ED3 (Surge) Level 3		filter.
	CE EN61000-4-6 (CS) Level 3	Flow Control	Supports Flow Control for Full-duplex and Back
	CE EN61000-4-8 (Magnetic field) Level 3		Pressure for Half-duplex
Safety	EN62368 (LVD)	System Log	Supports System log record and remote system log
Stability Testing	IEC 60068-2-27 (Shock),	Polov Alexas	Server
	IEC 60068-2-31 (Shock),	Relay Alarm	Provides one relay output for port breakdown, power fail and alarm.
	IEC 60068-2-64 (Vibration),		Alarm Relay current carry ability: 1A @ DC24V
V-bish viii	IEC 60068-2-80 (Vibration)	Protection	■ Miss-wiring avoidance
Vehicle certificate MTBF	E13 marking (24V Model) 791,695 Hrs (Standards: IEC 62380)		■ Node failure protection
Software Sp		CNIMP	Loop protection
Management	SNMP v1 v2c, v3/ Web/Telnet/CLI	SNMP Trap	Up to 10 trap stations; trap types including:
SNMP MIB	MIB		Device cold start  Authorization foilure
GIVIVIT IVIID	MIBII		Authorization failure  Port link up/link down
	SNMP MIB		Port link up/link down
	Bridge MIB		<ul><li>DI/DO open/close</li><li>Topology change(ITU ring)</li></ul>
	IF MIB		Power failure
	RMON MIB		Environmental abnormal
	Private MIB	DHCP	Provide DHCP Client/ DHCP Server/DHCP Option 82
Enhanced G.8032	Support ITU G.8032 v2/2012 for Ring protection in		(Relay & Server)/Port based DHCP; DHCP
ring	less than 20ms for self-heal recovery (single ring		Snooping; DHCP option 66
	Alan Eomo ioi son floar roootery (single fing		

Assign IP address by Mac that can include dumb





Supports editable configuration file for system quick installation;

based DHCP er	Assign IP address by Mac that can include dumb switch in DHCP network Provide DNS Client feature and support Primary and Secondary DNS server. Supports SNTP to synchronize system clock in	Configuration upload and download	Supports equiable configuration file for system quick installation; Support factory reset button to restore all settings back to factory default; USB port for upload/download configuration by USB
ronmental ttoring** ware Update	Internet  System status for input voltage, current, consumption and ambient temperature to be shown in GUI and sent alerting if any abnormal status (-M models)  Supports TFTP firmware update, TFTP backup and restore; HTTP firmware upgrade		dongle *Future Release ** Optional Release
ORDER	RING INFORMATION		
	008-12VP/N: 8350-988		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch;
	/~56VDC input; -20°C to 60°C 008-12V-EP/N: 8350-989		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	pernet Switch:
	/~56VDC input, -40°C to 75°C	otilar Mariagoa Eti	ioniot evitori,
	008-M-12V P/N: 8350-9884		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9.5V~56VDC input w/
	ental monitoring; -20°C to 60°C		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	pernet Switch: dual 9.5V~56VDC input w/
	ental monitoring, -40°C to 75°C	striar Mariagea Eti	ionici Gwion, addi 5.5V -50V 20 input W
IPGS-30	008-12VP/N: 8350-98801		
	1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input; -20°C to
60°C; E-r			
	<b>008-12V-EP/N: 8350-98901</b> /1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managod Eth	pornot Switch: dual QV 36VDC input 40°C to
75°C' E-r		stilai ivialiageu Lti	ierriet Switch, duai 37~307DC input, -40 C to
	008-M-12V P/N: 8350-98841		
8 10/100/	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input w/
	ental monitoring; -20°C to 60°C; E-marked		
	008-M-12V-EP/N: 8350-98921		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input w/
	ental monitoring, -40°C to 75°C; E-marked		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input; -20°C to
60°C; E-N	Marked		
	008-24V-EP/N: 8350-9863		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input; -40°C to
75°C; E-N	Marked 008-M-24VP/N: 8350-9864		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	pernet Switch: dual 9V~36VDC input w/
	ental monitoring; -20°C to 60°C; E-Marked	otilai iviariagoa Eti	ioniot ewiton, address to be input w
	008-M-24V-EP/N: 8350-9865		
8 10/100/	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 9V~36VDC input w/
	ental monitoring; -40°C to 75°C; E-Marked		
	008-48VP/N: 8350-986	atrial Managad Eth	servet Cuitabe dual 44V ECVDC inputs 2000 to
8 10/100/ 60°C	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	striai ivianaged Etr	iernet Switch; duai 44v~56vDC input; -20°C to
	008-48V-EP/N: 8350-987		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 44V~56VDC input, -40°C to
75°C			
	008-M-48VP/N: 8350-9861		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	nernet Switch; dual 44V~56VDC input w/
	ental monitoring; -20°C to 60°C 008-M-48V-EP/N: 8350-9871		
	/1000T w/8 PoE Mode A 802.3at/af 30W L2+ Indus	strial Managed Eth	pernet Switch: dual 44V~56VDC input w/
	ental monitoring, -40°C to 75°C	sai managoa Eti	Owner, and The Jordo Input w
	08-12VP/N: 8350-9876	;	
	/1000T L2+ Industrial Managed Ethernet Switch, d		out; -20°C to 60°C
	08-12VP/N: 8350-9876		
0 10/100	(1000T L 2) Industrial Managed Ethernet Switch d	HOLDY 261/DC inc	Auto Surface Control of the Control

8 10/100/1000T L2+ Industrial Managed Ethernet Switch, dual 9V~36VDC input; -20°C to 60°C; E-marked

8 10/100/1000T L2+ Industrial Managed Ethernet Switch, dual 9V~36VDC input; -20°C to 60°C; E-marked

IGS-3008-24V.....P/N: 8350-9885



IGS-3008-12V-EP/N: 8350-9878
8 10/100/1000T L2+ Industrial Managed Ethernet Switch, dual 9V~60VDC input, -40°C to 75°C
IGS-3008-12V-EP/N: 8350-98781
8 10/100/1000T L2+ Industrial Managed Ethernet Switch, dual 9V~36VDC input, -40°C to 75°C; E-marked
IGS-3008-24V-EP/N: 8350-9879
8 10/100/1000T L2+ Industrial Managed Ethernet Switch, dual 9V~36VDC input; -40°C to 75°C; E-Marked
IGS-3008-12V-MP/N: 8350-9887
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9V~60VDC input; -20°C to 60°C
IGS-3008-12V-MP/N: 8350-98871
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9V~36VDC input; -20°C to 60°C
E-marked
IGS-3008-24V-MP/N: 8350-9888
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9V~36VDC input; -20°C to 60°C
E-Marked
IGS-3008-12V-M-EP/N: 8350-9877
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9.5V~60C input, -40°C to 75°C
IGS-3008-12V-M-EP/N: 8350-9877
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9V~36C input, -40°C to 75°C; E-
marked
IGS-3008-24V-M-EP/N: 8350-9889
8 10/100/1000T L2+ Industrial Managed Ethernet Switch + environmental monitoring, dual 9V~36C input; -40°C to 75°C; E-

## OPTIONAL ACCESSORIES

#### **DIN Rail Power**

Marked

■ NDR-480 Series 480W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

■ NDR-240 Series 240W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from  $50^{\circ}\text{C} \sim 70^{\circ}\text{C}$ )

120W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2; NDR-120 Series

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from  $50^{\circ}$ C ~  $70^{\circ}$ C; For 115VAC, please refer to

derating curve on NDR-120 Series datasheet)

■ NDR-75 Series 75W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

 $Operating \ Temp. \ -20^{\circ}C \ -70^{\circ}C \ (ambient, \ derating \ each \ output \ at \ 2.5\% \ per \ degree \ from \ 50^{\circ}C \ -70^{\circ}C; \ For \ 115VAC, \ please \ refer \ to \ 115VAC, \ ple$ 

derating curve on NDR-120 Series datasheet)

### Lantech Communications Global Inc.

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