I(P)GS-6300-2P

4- Modular-Slots w/4/2 x1G/2.5G/10G SFP⁺ + 2 10GT uplink L2+

Industrial Managed Ethernet Switch w/ Enhanced G.8032 Ring;

DC/LDC/HV/AC input models

- *IEEE1613 compliance*
- *High-density 24/26xGiga+4/2x1G/2.5G/10G SFP⁺ + 2 10GT uplink L2+ managed (PoE) Ethernet switch, total 28 ports*
- *Auto-sensing triple speed1G/2.5G/10G SFP⁺ Uplink Cage*
- *Support IEEE802.3at/af up to 30W per port (PoE model)*
- *PoE management incl. Detection and Scheduling (PoE model)*
- *Enhanced G.8032 ring protection < 20ms for single ring. Supports auto mode, enhanced mode, train mode, multi-VLAN and basic mode; Enhanced G.8032 ring covers multicast packets; MSTP 8/16*MSTI /RSTP ; support MRP ring***
- *Miss-wiring avoidance & repowered auto ring* restore & node failure protection*
- *User friendly UI, including auto topology drawing and DDM threshold monitoring with dB values***; Complete CLI*
- *Support LACP link aggregation, IGMP v3/router port, DHCP server & DHCP Option82; Port based DHCP distribution, Mac based DHCP server, QoS by VLAN**, SSH/SSL, HTTPS, INGRESS/EGRESS ACL L2/L3,TACACS+, QinQ**, SMS***
- *Environmental Monitoring for temp., voltage, current or (PoE load)*
- *Support USB slot for upload/download the firmware*
- *Optional InstaView** for centralized backup, editing the configuration file and upgrade firmware*
- *Various dual input model selection : DC/LDC/HV/AC*
- *Fan-less industrial design; -45~75C operation temperate (-E model)*

CE FCC [WEEE] RoHS2 ITU G.8032 PoE AT 30W Environmental Monitoring USB Restore &Backup 10G

OVERVIEW

Lantech I(P)GS-6300-2P is a high performance L2+ (All Gigabit) modular Ethernet switch with max 24/26port Gigabit + 4/2 1G/2.5G/10G SFP⁺ + 2 10GT uplink (total 28ports) w/(24 PoE 802.3af/at Injectors) which provides L2+ wire speed and advanced security function for network aggregation deployment. It delivers ITU G.8032 enhanced ring recovery less than 20ms in single ring. It also supports train mode, enhanced mode with easy configuration, comprehensive QoS, QoS by VLAN**, advanced security including INGRESS/EGRESS ACL L2/L3, TACACS+, SSH/SSL, Mac based DHCP server, DHCP Option 82/66*, DHCP server, IGMPv1/v2/v3/router port, QinQ**, QoS QinQ** which are important features required in large network. The Cisco Discovery Protocol (CDP) and LLDP are supported for Ciscoworks to detect the switch info and show on L2 map topology. The enhanced platform allows quick booting up time under 50 seconds.

Up to 24 PoE at/af ports w/advanced PoE management
Compliant with 802.3af/at standard, the Lantech I(P)GS-6300-2P is able to feed each PoE port up to 30 Watt. Lantech I(P)GS-6300-2P supports advanced PoE management including PoE detection and scheduling. PoE detection can

detect if the connected PD hangs then restart the PD; PoE scheduling is to allow pre-set power feeding schedule upon routine time table. Each PoE port can be enabled/disabled, get the voltage, current, Watt, and temperature info displayed on WebUI.

Miss-wiring avoidance, Repowered auto ring* restore, Loop protection
The I(P)GS-6300-2P 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 miss-wiring, Lantech I(P)GS-6300-2P is able to alert with the LED indicator and disable ring automatically. Repowered auto ring* restore function (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.

DHCP option 82 & Port based, Mac based DHCP, Option66*, IPv6 DHCP server

DHCP option 82 and Port based DHCP function can offer the same IP address on port base or VLAN base where there is need to replace the new device connecting to Lantech switches to avoid any network disruption. The built-in DHCP Option 82 server offers the convenience of policy setting on the switch. Mac based DHCP server function assigns an IP address according to its MAC address to include dumb switches in DHCP network. DHCP option 66* is also supported. Optional IPv6 address resolution for DHCP server can be supported.

User friendly GUI, Auto topology drawing, FX dB value
The user friendly UI, innovative auto topology drawing and topology demo makes I(P)GS-6300-2P much easier to get hands-on. The I(P)GS-6300-2P supports DMI interface that can correspond with DDM SFPs (Digital diagnostic monitor) to display the five parameters in Lantech's UI, including optical output power, input power, temperature, laser bias current and transceiver supply voltage***. The TX power/RX power raw data is automatically converted to dB values for installer, making it easier to calculate the fiber distance. The complete CLI enables professional engineer to configure setting by command line.

Enhanced G.8032 ring, 8/16 MSTI MSTP; Optional MRP ring*
Lantech I(P)GS-6300-2P 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 double ring, multi-chain (under enhanced ring), train ring*, basic ring, multiple-VLAN ring* and auto-ring* by easy setup than others. The innovative auto-Ring* configurator (auto mode) can calculate owner and neighbor in one step. It supports MSTP that allows each spanning tree for each VLAN for redundant links with 8/16* MSTI.

Optional MRP (Media Redundancy Protocol) can be supported for industrial automation networks.

*QoS by VLAN** for legacy device*
QoS by VLAN** can allow switch to tag QoS by VLAN** regardless the devices acknowledge QoS or not in which greatly enhance the bandwidth management in a network.

*QinQ**, QoS QinQ** and GVRP supported*
It supports the QinQ**, QoS QinQ**, 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 file; InstaView** for mass deployment*
The configuration file of Lantech I(P)GS-6300-2P can be

exported and edited with word processor for the other switches configuration with ease. The 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. I(P)GS-6300-2P also supports dual image firmware function*.

The built-in USB slot can upload/download the firmware through USB dongle for switch replacement.

With optional InstaView, the configuration files can be mass backup, mass-editable deployed and auto upgrading firmware in batch make maintenance easy.

Event log & message; 2 DI + 2DO
In case of event, the I(P)GS-6300-2P is able to send an email & SMS** text message to pre-defined addresses as well as SNMP Traps out immediately. It provides 2DI and 2DO. When disconnection of the specific port was detected; DO will activate the signal LED to alarm. DI can integrate the sensors for events and DO will trigger the alarm while sending alert information to IP network with email and traps.

Environmental monitoring for switch inside information
The environmental monitoring can detect switch overall temperature, (total PoE load), voltage and current where can send the SNMP traps, email and SMS** alert when abnormal.

Dual power DC/LDC/HV/AC input and dedicated PoE power source input
Lantech I(P)GS-6300-2P chassis and modules are designed for easy maintenance and installation; It also supports dual DC/LDC power supplies (DC12~48V/ isolated 36~75VDC), dual HV (isolated 85~264VAC/100~370VDC) or dual AC(85~264VAC) input to increase the network reliability. It has independent PoE power source input by terminal block for connecting DC 48V PoE power source. (IPGS-6300-2P)

Industrial hardened design with high EFT/SURGE and ESD CONTACT protection
Lantech I(P)GS-6300-2P features 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. Featured with relay contact alarm function, the I(P)GS-6300-2P is able to connect with alarm system in case of power failure or port disconnection. The I(P)GS-6300-2P also provides 2000V EFT/SURGE and 6000V ESD CONTACT protection, which can reduce unstable situation caused by power line and Ethernet.

It is the best solution for Automation, transportation, surveillance, Wireless backhaul, Semi-conductor factory applications. The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C.
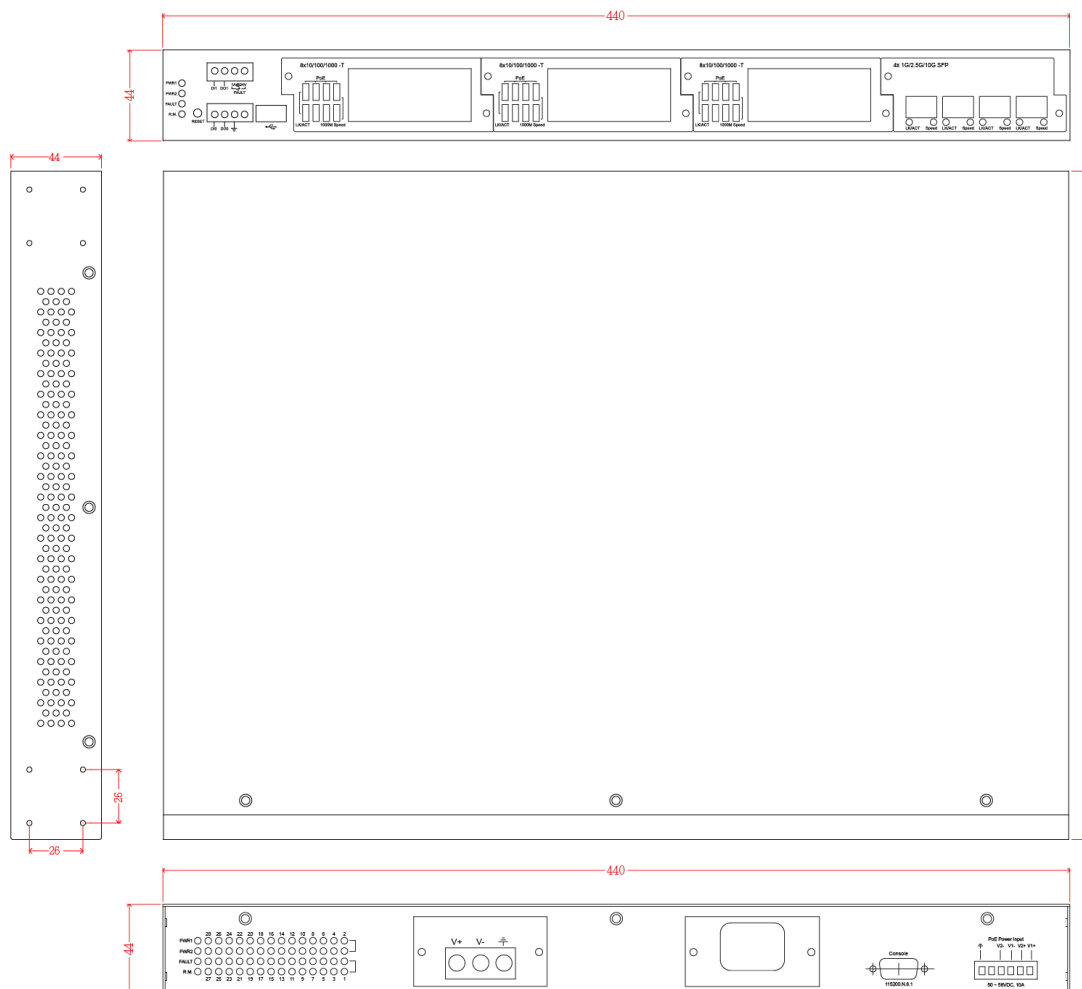
FEATURES & BENEFITS

■ **System Interface/Performance**
- *IEEE1613 Compliance*
- *max 26/24 x Gigabit T + 2/4x1G/2.5G/10G SFP+;*
- *max. 24 x Gigabit T PoE at/af + 4x1G/2.5G/10G SFP SFP+; (IPGS-6300-2P)*

- *24 x 100/1000M Dual Speed SFP + 4x1G/2.5G/10G SFP+;*
- *The 4th slot can be 4x1G/2.5G/10G SFP+ or 2 100/1G/10G Copper + 2 1G/2.5G/10G SFP+ module*
- *Total 28 ports*

- *16K MAC Address Table*
- *Backplane : 128Gbps*
- *Dual LDC Power Supplies for isolated 1600V DC(36V~75V)*
- *Dual HV Power Conversions for isolated 3000 V (85V~264VAC/100V~370VDC)*
- *Dual DC power supply terminal block for non-isolated power DC(12V~56V)*
- *Dual AC power input (AC85~264VAC)*
- *Terminal block for PoE power source (DC48V) for IPGS-6300-2P*
- *Various modules available incl. 100M/1000M SFP ; Gigabit T;PoE at/af Giga T(up to 30W@);*
- *Auto-sensing triple speed 1G/2.5G/10G SFP+ Uplink cage*
- *Fanless design*
- *-20°C~60°C / -4°F~140°F (Standard model)*
- *-40°C~75°C / -40°F~167°F(-E model)*

■ **Embedded 24 PoE Injectors IEEE802.3af/at function to feed power up to 30W@ for active mode operation(IPGS-6300-2P)**

■ **Dedicate 48V dual input for PoE budget 720W**

■ **PoE management including PoE detection and scheduling for PD (power devices)(IPGS-6300-2P**

■ **Back-plane (Switching Fabric): 128Gbps**

■ **16K MAC address table**

■ **DDM to support SFP diagnostic function***
  - *Automatically convert the raw data into dB values for TX power/RX power, making it easier to measure the fiber distance*

■ **10KB Jumbo frame supported**

■ **User friendly UI, auto topology drawing, topology demo, complete CLI for professional setting**

■ **Enhanced G.8032 Ring protection in 20ms for single ring**
  - *Support various ring/chain topologies, including train ring*, enhanced ring, basic ring, auto ring* & multiple VLAN ring**
  - *Enhanced G.8032 ring configuration with ease*
  - *Auto ring* configuration(auto mode) for single ring*
  - *Cover multicast and data packets protection*

■ **Supports IEEE 802.1p Class of Service, per port provides 8 priority queues Port base, Tag Base and Type of Service Priority**

■ **QoS by VLAN** to prioritize all devices in the network**

■ **IEEE 802.1d STP, IEEE 802.1w RSTP,802.1s MSTP VLAN redundancy with 8/16* MSTI**

■ **4K 802.1Q VLAN, Port based VLAN, GVRP, QinQ**, QoS QinQ****

■ **Supports IEEE 802.1ab LLDP, Cisco CDP; LLDP info can be viewed via Web/ Console/ Lantech™ InstaView****

■ **DHCP server / client / DHCP Option 82 relay / DHCP Option 82 server; Port based DHCP server; DHCP Option 66*; IPv6 address resolution for DHCP server****

■ **Mac based DHCP server to assign IP address that includes dumb switches in DHCP network**

■ **Bandwidth Control**
  - *Ingress packet filter and egress rate limit*
  - *Broadcast/multicast packet filter control*

■ **Relay alarm output system events**

■ **Miss-wiring avoidance**
  - *LED indicator*

■ **Repowered auto ring* restore**
  - *Ensure the switches in a ring to survive after power breakout is back*
  - *The status can be shown in NMS when each switch is back*

■ **System Event Log, SMTP Email alert, SMS** mobile (text) and SNMP Trap for alarm support; 32 RMON counters**

■ **Security**
  - *SSL/SSH/INGRESS/EGRESS ACL L2/L3*
  - *Port Security: MAC address entries/Filter/static MAC-Port binding*
  - *IP Security: IP address security management to prevent unauthorized intruder.*
  - *TACACS+*
  - *Login Security: IEEE802.1X/RADIUS*
  - *HTTPS for secure access to the web interface*

■ **Multicast static route for non- IGMP camera to prevent flooding; IGMP router port to assign query in ring for reversed multicast video flow**

■ **IGMPv1,v2,v3 with Query mode for multimedia GMRP**

■ **Static multicast forwarding forward reversed IGMP flow with multicast packets binding with ports for IP surveillance application**

■ **Dual image firmware support***

■ **Factory reset button to restore setting to factory default**

■ **Watchdog design to auto reboot switch when CPU is found dead**

■ **Environmental monitoring for system input voltage, current, ambient temperature and total PoE load**

■ **Supports DIDO (Digital Input/Digital Output)**

■ **Provides EFT/SURGE protection 2000 VDC for power line.**

■ **Supports 6000 VDC Ethernet ESD CONTACT protection**

■ **Configuration backup and restoration**
  - *Supports text configuration file for system quick installation*
  - *USB slot to upload/download firmware by USB dongle*
  - *InstaView** for centralized configuration deployment, backup & upgrade*

■ **TFTP/SFTP**/HTTP firmware upgrade; Lantech™ InstaView** for multiple upgrade**

■ **IP30 metal housing with rack-mount design**

DIMENSIONS (unit=mm)

SPECIFICATION

Hardware Specification

IEEE Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3ae 10G Ethernet over Fiber IEEE 802.3an 10G Copper IEEE 802.3x Flow Control Capability ANSI/IEEE 802.3 Auto-negotiation IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1X Access Control IEEE 802.1D Spanning Tree IEEE 802.1w Rapid Spanning Tree IEEE 802.1s Multiple Spanning Tree IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.1x User Authentication (Radius) IEEE 1588 Precision Time Protocol v2 IEEE 802.3at/af PoE (IPGS-6300-2P)
Switch Architecture	Back-plane (Switching Fabric): 128Gbps
Mac Address	16K MAC address table
Jumbo frame	10KB
Connectors	Max. 24 10/100/1000T RJ-45 with auto MDI/MDI-X function
	Max 2 10G copper RJ45 Max 24 100M Mini-GBIC : SFP sockets Max 28 1000M Mini-GBIC : SFP sockets Max 4 10G Mini-GBIC : SFP + sockets RS-232 console: Female DB-9 USB slot for upload/download config file DIDO : 1x6pin terminal block
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable; EIA/TIA-568 100-ohm (100m) 1000Base-T: 4-pair UTP/STP Cat5E/6 cable; 10GBaseT:4-pair STP Cat6/6A/7 cable
Optical Cable	**1Gbps:** Multi mode: 0 to 550 m, 850 nm (50/125 μm); 0 to 2 km, 1310 nm (50/125 μm) Single mode: 0 to 10 km/ 30 km/ 40 km, 1310 nm (9/125 μm); 0 to 50 km/ 60 km/ 80km/ 120 km, 1550 nm (9/125 μm) **2.5Gbps** Multi mode: 0 to 300 m, 850 nm (50/125 μm); Single mode: 0 to 2 km/ 15 km/ 40 km, 1310 nm (9/125 μm); 0 to 40 km/ 80 km/ 100km, 1550 nm (9/125 μm) **WDM 1Gbps:** Single mode: 0 to 10 km/ 20 km/ 40 km/ 60 km, 1310 nm (9/125 μm); 0 to 80 km, 1490 nm (9/125 μm); 0

	to 10 km/ 20 km/ 40 km/ 60 km/ 80 km, 1550 nm (9/125 μm) **WDM 2.5Gbps** Single mode: 0 to 5 km/ 20 km/ 40 km/ 60 km, 1310 /1550nm (9/125 μm); 0 to 80 km, 1490/1550 nm (9/125 μm) **10Gbps** Multi mode: 0 to 300 m, 850 nm (OM3 50/125 μm); Single mode: 0 to 10 km/ 20 km, 1310 nm (9/125 μm); 0 to 40 km/ 80km/ 100 km, 1550 nm (9/125 μm) **WDM 10Gbps** Single mode: 0 to 10 km/ 20 km/ 40 km/ 60 km, 1270/1330 nm (9/125 μm); 0 to 80km, 1490/1550 nm (9/125 μm)		less than 20ms for self-heal recovery (single ring enhanced mode) Support various ring/chain topologies Includes train ring*, auto ring*, basic single ring, enhanced ring, multiple-VLAN ring* Enhanced G.8032 ring configuration with ease Cover multicast & data packets protection
LED	Per unit: Power 1 (Green), Power 2 (Green), FAULT (Red); RM(Green) Ethernet port: Link/Activity (Green), Speed (Green); PoE** : Link/Act (Green); Mini-GBIC: Link/Activity (Green)	PoE Management	PoE Detection to check if PD hangs then restart the PD(IPGS-6300-2P)
		Per Port PoE Status	On/ Off, voltage, current, watts, temperature(IPGS-6300-2P)
		User friendly UI	■ Auto topology drawing ■ Topology demo ■ Auto configuration for G.8032(auto mode) for single ring ■ DDM threshold monitoring with dB values*** ■ Complete CLI for professional setting
DI/DO	2 Digital Input (DI) : Level 0: -30~2V / Level 1: 10~30V Max. input current:8mA 2 Digital Output(DO): Open collector to 40 VDC, 200mA		
		Port Trunk with LACP	LACP Port Trunk: 8 Trunk groups
Operating Humidity	5% ~ 95% (Non-condensing)	LLDP	Supports LLDP to allow switch to advise its identification and capability on the LAN
Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F(-E model)	CDP	Cisco Discovery Protocol for topology mapping
Storage Temperature	-40°C~85°C / -40°F~185°F	Environmental Monitoring	System status for input voltage, current , total PoE load and ambient temperature to be shown in GUI and sent alerting if any abnormal status
Power Supply	One+ one** VAC/VDC input isolated 3000V 85V~264VAC/100~370VDC(HV model) One + one** VDC isolated 1600V 36~75VDC(LDC model) Dual input for 12V~56VDC(DC model) One + one** AC input AC85~264VAC(AC model) PoE power dual input for 48VDC(IPGS-6300-2P)	VLAN	Port Based VLAN IEEE 802.1Q Tag VLAN (256 entries)/ VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4096.) GVRP, QinQ**, QoS QinQ**, Protocol based VLAN** ; IPv4/IPv6 Subnet based VLAN**
		IPv6/4	Present
		Spanning Tree	Supports IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree, IEEE802.1s Multiple Spanning Tree 8/16* MSTI
PoE Budget	720W (54V input is recommended for PTZ or heater applications	Quality of Service	The quality of service determined by port, Tag and IPv4 Type of service, IPv4 Differentiated Services Code Points - DSCP
		Class of Service	Support IEEE802.1p class of service, per port provides 8 priority queues
PoE pin assignment	RJ-45 port # 1~#24 support IEEE 802.3at/af End-point, Alternative A mode.(IPGS-6300-2P & PoE modules) Positive (VCC+): RJ-45 pin 1,2. Negative (VCC-): RJ-45 pin 3,6.	QoS by VLAN**	Tagged QoS by VLAN** for all devices in the network
		IP Security	Supports 10 IP addresses that have permission to access the switch management and to prevent unauthorized intruder
Power Consumption	30W	Login Security	Supports IEEE802.1X Authentication/RADIUS
		Port Mirror	Support 3 mirroring types: "RX, TX and Both packet"
Case Dimension	Metal case. IP-30, 440mm(W)x325mm(D)x44mm(H)	Network Security	Support 10 IP addresses that have permission to access the switch management and to prevent unauthorized intruder. 802.1X access control for port based and MAC based authentication/static MAC-Port binding Ingress/Egress ACL L2/L3 SSL/ SSH for Management HTTPS for secure access to the web interface TACACS+ for Authentication
Weight	900 g		
Installation	Rackmount Design		
EMI & EMS	FCC Class A, CE EN55032 Class A, CE EN55024, CE EN61000-4-2, CE EN61000-4-3, CE EN61000-4-4, CE EN61000-4-5 ED3, CE EN61000-4-6, CE N61000-4-8, EN61000-4-11, EN 50121-4, EN 50121-5		
		IGMP	Support IGMP snooping v1,v2,v3; Supports IGMP static route; 1024 multicast groups; IGMP router port ; IGMP query; GMRP
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)	Static multicast forwarding	Static multicast forwarding forward reversed IGMP flow with multicast packets binding with ports for IP surveillance application
MTBF	830589 hours		
Warranty	5 years		
Software Specification		Bandwidth Control	Support ingress packet filter and egress packet limit. The egress rate control supports all of packet type. Ingress filter packet type combination rules are Broadcast/Multicast/Flooded Unicast packet, Broadcast/Multicast packet, Broadcast packet only and all types of packet. The packet filter rate can be set an accurate value through the pull-down menu for the ingress packet filter and the egress packet limit.
Management	SNMP v1 v2c, v3/ Web/Telnet/CLI		
SNMP MIB	RFC 1215 Traps MIB*, RFC 1213 MIBII RFC 1158 MIBII RFC 1157 SNMP MIB, RFC 1493 Bridge MIB* RFC 1573 IF MIB RFC 2674 VLAN MIB*, Partial RFC 1757 RMON, RFC 2674 Q-Bridge MIB*; Bridge MIB, LLDP MIB RSTP MIB* Private MIB	Flow Control	Supports Flow Control for Full-duplex and Back Pressure for Half-duplex
		System Log	Supports System log record and remote system log server
ITU G.8032	Support ITU G.8032 v2/2012 for Ring protection in	SMTP/Text SMS**	Supports SMTP Server and 8 e-mail accounts for receiving event alert; can send SMS** text alert via

	mobile
Relay Alarm	Provides one relay output for port breakdown, power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V
Protection	■ Miss-wiring avoidance ■ Repowered auto ring** restore ■ Loop protection
SNMP Trap	Up to 10 trap stations; trap types including: ● Device cold start ● Authorization failure ● Port link up/link down ● DI/DO open/close ● Typology change(ITU ring) ● Power failure ● Environmental abnormal
DHCP	Provide DHCP Client/ DHCP Server/DHCP Option 82 (Client & Server)/Port based DHCP; DHCP Option 66*; IPv6 address resolution for DHCP server**
Mac based DHCP Server	Assign IP address by Mac that can include dumb switch in DHCP network

DNS	Provide DNS client feature and support Primary and Secondary DNS server.
SNTP	Supports SNTP to synchronize system clock in Internet
Firmware Update	Supports TFTP/SFTP** firmware update, TFTP backup and restore; HTTP firmware upgrade; Lantech™ InstaView** for multiple upgrade
Configuration upload and download	Supports text configuration file for system quick installation; Support factory reset button to restore all settings back to factory default; USB, Optional InstaView for mass backup, editing configuration and upgrade

*Future release
**Optional
***Optional DDM SFP required

ORDERING INFOMATION

■ **IGS-6300-2P-HV** …………………………..........**P/N: 8380-208**

4 Modular Slots L2 plus Industrial 10G Uplink Ethernet Switch Chassis; Built-in 1x isolated AC/DC 85~264VAC/100V~370VDC power conversion + 1x additional power socket; -20℃ to 60℃

■ **IGS-6300-2P-HV-E** ……………………….......**P/N: 8380-2081**

4 Modular Slots L2 plus Industrial 10G Ethernet Switch Chassis

Built-in 1x isolated AC/DC 85~264VAC/100V~370VDC power conversion + 1x additional power socket; -40℃ to 75℃

■ **IGS-6300-2P-LDC** ……………………….…......**P/N: 8380-209**

4 Modular Slots L2 plus Industrial 10G Ethernet Switch Chassis

Built-in x1 isolated DC 36~75VDC power supply + 1x additional power socket; -20℃ to 60℃

■ **IGS-6300-2P-LDC-E** …………………………..…**P/N: 8380-2091**

4 Modular Slots L2 plus Industrial 10G Ethernet Switch Chassis

Built-in x1 isolated DC 36~75VDC power supply + 1x additional power socket; -40℃ to 75℃

■ **IGS-6300-2P-AC** ……………………….………...**P/N: 8380-202**

4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

Built-in 1x AC85~264VAC IEC320 power conversion + 1x additional power socket; -20℃ to 60℃

■ **IGS-6300-2P-AC-E** ………………….…...........**P/N: 8380-203**

4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

Built-in 1x AC85~264VAC IEC320 power conversion + 1x additional power socket; -40℃ to 75℃

■ **IGS-6300-2P-DC** ..…………….……….…........**P/N: 8380-205**

4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

Built-in 1x DC 12~56VDC power supply + 1x additional power socket; -20℃ to 60℃

■ **IGS-6300-2P-DC-E** ..…………………….…........**P/N: 8380-206**

4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

Built-in 1x DC 12~56VDC power supply + 1x additional power socket; -40℃ to 75℃

■ **IPGS-6300-2P-HV** …………………….………....**P/N: 8380-210**

4 Modular Slots L2 plus 10G Industrial PoE Ethernet Switch Chassis

Built-in 1x isolated AC/DC 85~264VAC/100V~370VDC power conversion + 1x additional power socket + 1x 48VDC PoE power input; -20℃ to 60℃

■ **IPGS-6300-2P-HV-E** ……………………….…......**P/N: 8380-2101**

4 Modular Slots L2 plus 10G Industrial PoE Ethernet Switch Chassis

Built-in 1x isolated AC/DC 85~264VAC/100V~370VDC power conversion + 1x additional power socket + 1x 48VDC PoE power input; -40℃ to 75℃

■ **IPGS-6300-2P-LDC** ……..……………..…….........**P/N: 8380-211**

4 Modular Slots L2 plus Industrial PoE Ethernet Switch Chassis

Built-in 1x isolated DC 36~85VDC power supply + 1x additional power socket + 1x 48VDC PoE power input; -20℃ to 60℃

■ **IPGS-6300-2P-LDC-E** ……..……………….….........**P/N: 8380-2111**

4 Modular Slots L2 plus Industrial PoE Ethernet Switch Chassis

Built-in 1x isolated DC 36~85VDC power supply + 1x additional power socket + 1x 48VDC PoE power input; -40℃ to 75℃

- **IPGS-6300-2P-AC**………………………..........**P/N: 8380-204**

  4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

  Built-in 1x AC85~264VAC IEC320 power conversion + 1x additional power socket + 1x 48VDC PoE power input; -20°C to 60°C

- **IPGS-6300-2P-AC-E** ………………………..........**P/N: 8380-2041**

  4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

  Built-in 1x AC85~264VAC IEC320 power conversion + 1x additional power socket + 1x 48VDC PoE power input; -40°C to 75°C

- **IPGS-6300-2P-DC** ………………..…..….…......**P/N: 8380-207**

  4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

  Built-in 1x DC 12~56VDC power supply + 1x additional power socket + 1x 48VDC PoE power input; -20°C to 60°C

- **IPGS-6300-2P-DC-E** …………………....…….….**P/N: 8380-2071**

  4 Modular Slots L2 plus 10G Industrial Ethernet Switch Chassis

  Built-in 1x DC 12~56VDC power supply + 1x additional power socket + 1x 48VDC PoE power input; -40°C to 75°C

- **8x GIGA T Module**………………..………...............**P/N: 8380-123**

  8x 10/100/1000T Module; -40°C to 75°C

- **8x GIGA T-PoE at/af Module**………………...……**P/N: 8380-124**

  8x 10/100/1000T PoE at/af Module; -40°C to 75°C

- **8x SFP Module**…….…...………….….……...….……**P/N: 8380-125**

  8x Dual Speed SFP module for 100M SFP or Gigabit SFP; -40°C to 75°C

- **4x 10G SFP Module**……………………...............**P/N: 8380-126**

  4x 10G SFP Module for slot 4 ; -40°C to 75°C

- **2 100M/1G/10G Copper + 2 100M/1G/2.5G/10G SFP⁺ Module**.......**P/N: 8380-127**

  2x 100M/1G/10G Copper + 2 100M/1G/2.5G/10G SFP+ Module for slot 4 ; -40°C to 75°C

OPTIONAL ACCESSORIES

Power

EOTH000701

Isolation Power 85-264VAC, 100-370VDC 1.5A , 47-63HZ

EOTH000702

Isolation Power 36-75VDC, 2.5A

EOTH000703

Power 85-264VAC IEC320 socket, 1.5A , 47-63HZ

EOTH000704

Power Input Module 12-57VDC, 2.5A

Mini GBIC (SFP)

8330-162X	MINI GBIC 1000SX (LC/0.5km) Transceiver	**8330-166**	MINI GBIC 1000XD (LC/50km) Transceiver
8330-163X	MINI GBIC 1000SX2 (LC/2km) Transceiver	**8330-169**	MINI GBIC 1000XD (LC/60km) Transceiver
8330-165X	MINI GBIC 1000LX (LC/10km) Transceiver	**8330-167**	MINI GBIC 1000ZX (LC/80km) Transceiver
8340-0591	MINI GBIC 1000LHX (LC/40km) Transceiver	**8330-170**	MINI GBIC 1000EZX (120km) Transceiver

- **8330-168** MINI GBIC 1000T (100m) Transceiver
- **8330-188** LTSFP-1000BX-10KM Transceiver (WDM 1310)
- **8330-189** LTSFP-1000BX-10KM Transceiver (WDM 1550)
- **8330-186** LTSFP-1000BX-20KM Transceiver (WDM 1310)
- **8330-187** LTSFP-1000BX-20KM Transceiver (WDM 1550)
- **8330-180** LTSFP-1000BX-40KM Transceiver (WDM 1310)
- **8330-182** LTSFP-1000BX-40KM Transceiver (WDM 1550)
- **8330-181** LTSFP-1000BX-60KM Transceiver (WDM 1310)
- **8330-183** LTSFP-1000BX-60KM Transceiver (WDM 1550)
- **8330-184** LTSFP-1000BX-80KM Transceiver (WDM 1490)
- **8330-185** LTSFP-1000BX-80KM Transceiver (WDM 1550)
- **8330-262D** MINI GBIC 2.5G 850nm VCSEL (LC/0.3km) Transceiver
- **8330-263D** MINI GBIC 2.5G 1310nm FP (LC/2km) Transceiver

- **8330-265D** MINI GBIC 2.5G 1310nm DFB (LC/15km) Transceiver
- **8330-193D** 10G Base SFP⁺ SR, Multi-mode (LC/300m) Transceiver
- **8330-194D** 10G Base SFP⁺ LR, Single-mode (LC/10km) Transceiver
- **8330-200D** 10G Base SFP⁺ , Single-mode(20km) Transceiver (WDM 1270)
- **8330-201D** 10G Base SFP⁺ , Single-mode(20km) Transceiver (WDM 1330)
- **8330-202D** 10G Base SFP⁺ , Single-mode(40km) Transceiver (WDM 1270)
- **8330-203D** 10G Base SFP⁺ , Single-mode(40km) Transceiver (WDM 1330)

All SFP ended with D are with Diagnostic function

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