Lantech I(P)GS-6300-2P

3 Modular Slots + 4 10G/G SFP L2+ Industrial Managed (PoE at) Switch w/PTP V2

High-density 24 x Gigabit+ 4x 10G/G SFP Ethernet L2+ managed (PoE at/af) switch

ITU G.8032 standard ring protection < 20ms incl. data & multicast packets; co-exist with RSTP

Supports PTPv2 (under 1µs) IEEE 1588 and built-in RTC(Real Time Clock)

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, Port & VLAN based DHCP distribution, DHCP Option 82, SSH/SSL, TACAS+, ACL, IPv6, SMS

Environmental Monitoring for temp., voltage & current

USB slot for edited restoration and auto backup

Lantech I(P)GS-6300-2P is a high performance L2 + managed industrial switch which provides L2 wire speed and advanced security function for network aggregation and backbone deployment. It delivers ITU G.8032 ring recovery less than 20ms, comprehensive QoS, advanced security including ACL L2/L3, SSH/SSL, DHCP Option 82, DHCP server, IGMPv1/v2/v3/router port, QinQ (double tag VLAN) , and MVR (multicast VLAN registration), which are important features required in large network. It also supports Cisco Discovery Protocol (CDP) and LLDP for Ciscoworks to detect the switch info and show on L2 map topology.

The highly flexible modular design consisting of maximum 24x Gigabit T+4 10G/G SFP cages or 24x Giga PoE at/af (IPGS-6300-2P)+4x10G/G SFP cages, 28xGigabit/100M SFP, 18x100M ST/SC + 4 Gigabit SFP with PTP v2 function covers the widest deployment of applications.

Lantech I(P)GS-6300-2P features ITU G.8032 ring/double ring/chain which can be self-healed in less than 20ms up to 256 switches that covers data & multicast packets protection for various topologies. Auto mode for single ring auto configuration has made the ring set up never been easier. It also supports MSTP that allows RSTP over Vlan for redundant links. Lantech G.8032 ring can co-exist with RSTP on different ports for the most flexible 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 send out an email, traps or a SMS text. 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. This feature prevents the broken ring and keep ring alive without any re-configuration needed. 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 and relay agent function (por t & vlan based DHCP distribution) 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 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. Complete CLI support allows professional setting.

Lantech I(P)GS-6300-2P configuration file can also be exported in text file so that it can be edited and configured back to switch with ease for mass deployment. 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. The USB slot allows user to backup/ restore configuration.

Lantech I(P)GS-6300-2P model features hardware-based PTP IEEE1588 v2 function which can allow each modules Gigabit to synchronize the network with precise accuracy (under 1μs). It has RTC (Real Time Clock) inside that can keep track of current time.

The environmental monitoring can detect switch temperature, voltage and current where can send the SNMP traps, email and SMS alert when abnormal.

The PoE modules support advanced PoE management including PoE detection and scheduling. PoE detection can detect if the connected PD is hang up then restart the PD; PoE scheduling is to allow pre-set power feeding schedule upon routine time table. It also supports per-port PoE status including current, voltage, watt and temperature information.

The I(P)GS-6300-2P DIDO function can support additional open/close physical contact for designate applications besides Port / Power events, for example, DIDO function can trigger alarm if the switch was moved or stolen. In case of events, the I(P)GS-6300-2P will immediately send an email to pre-defined addresses as well as SMS message and SNMP Traps out. It provides 2DO while disconnections of the specific port was detected and relay contact will activate the alarm. 2 DI can integrate the sensors into the auto alarm system and transfer the alarm information to IP network with email, SMS and SNMP.

Lantech I(P)GS-6300-2P chassis and modules are designed for easy maintenance and installation; It also supports dual power supplies (DC12~48V/ isolated 36~75VDC) and (isolated 85~265VAC/100~370VDC) to increase the network reliability. It also supports terminal block for connecting DC 48V PoE power source (IPGS-6300-2P)

Lantech I(P)GS-6300-2P features high reliability and robustness withstanding extensive EMI/RFI phenomenon, inductive load switching, high ESD (8000V ESD/ 3000V EFT), high fault current environment usually found in Steel automation, Mining and Process control etc. I(P)GS-6300-2P can run under operational temperature ranging from -20°C~60°C for the harsh and critical environment.


12-56VDC, 2.5A
V+ V-
85-265VAC, 1.5A , 47-63HZ
Console
PoE Power Input