

## Lantech IGS-5408GSFP-PT

8 10/100/1000T + 4 Giga SFP L2 Plus Industrial Managed Switch w/ITU G.8032 Ring

IEC-61850-3 & 1613 compliance total 12 G

ITU G.8032 standard ring protection < 20ms incl. data & multicast packets; MSTP

User friendly UI & Auto topology drawing

IEEE 1588 v2 < 1us, PTP (Precision Time Protocol)

Environmental Monitoring for temp. voltage & current

Support ACL L2/L3, IGMP v3/router port, Static multicast forwarding, MVR, QinQ, SSH/SSL, TACAS+, SMS alert, LACP load balance

Support DIDO (Digital Input/Digital Output), USB configurable key

Lantech IGS-5408GSFP-PT is a high performance L2+ industrial full Gigabit switch which provides L2 wire speed and advanced security function for network aggregation deployment. It delivers ITU G.8032 ring recovery less than 20ms, comprehensive QoS, advanced security including ACL L2/L3, TACAS+, SSH/SSL, DHCP Option 82 and IGMPv1/v2/v3 & routing, QinQ (double tag VLAN), 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 LACP load balance can split each trunk at equally percentage for special application. The user friendly UI, innovative auto topology drawing and topology demo makes IGS-5408GSFP-PT much easier to get hands-on. The switch also equips the RTC (real time clock) which can keep track of time always.

Lantech IGS-5408GSFP-PT model features hardware-based PTP IEEE1588 v2 function which can allow 8x 10/100/1000T to synchronize the network with precise accuracy (under 1μs).

Lantech IGS-5408GSFP-PT features ITU G.8032 ring which can be self-healed in less than 20ms up to 256 switches that covers data & multicast packets protection. It also supports MSTP that allows RSTP over Vlan for redundant links.

Lantech IGS-5408GSFP-PT designs with redundant firmware where can survive if the primary firmware is crashed due to improper upgrading. The 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. IGS-5408GSFP-PT supports USB key where can automatically back up the configuration or restore without any notebook setup.

The IGS-5408GSFP-PT-PTP 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 IGS-5408GSFP-PT-PTP will immediately send an email & SMS text message to pre-defined addresses as well as SNMP Traps out. It provides 2DI and 2DO while 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.

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

The Lantech IGS-5408GSFP-PT supports redundant power input (DC24~48V/ isolated 36~75VDC) and (isolated 85~265VAC/100~370VDC) to increase the network reliability. Featured with relay contact alarm function, the IGS-5408GSFP-PT is able to connect with alarm system in case of power failure. The IGS-5408GSFP-PT provides 3000V EFT and 6000V ESD protection, which can reduce unstable situation caused by power line and Ethernet.

Lantech IGS-5408GSFP-PT 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. It is the best solution for Automation, transportation, surveillance, Wireless backhaul, Semi-conductor factory and assembly lines.

