

Lantech IPGS-5408GSFP

8 10/100/1000T PoE AT/AF + 4 1000M SFP L2 Plus Industrial Managed Switch w/ ITU G.8032

IEC-61850-3 & 1613 compliance & IEEE802.3AT/AF up to 30W PoE output

ITU G.8032 standard ring protection < 50ms incl. data & multicast packets; MSTP

Miss-wiring avoidance & Repowered auto ring restore

User friendly UI, including auto topology drawing and DDM threshold monitoring with dB values

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

Support USB dongle for automatic backup configuration

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

Lantech IPGS-5408GSFP 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 50ms, 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 shown on L2 map topology. The LACP load balance can split each trunk at equally percentage for special application. The switch also equips the RTC (real time clock) which can keep track of time always.

IPGS-5408GSFP supports IEEE802.3AT/AF standard which can feed HI-power up to 30W at each PoE port for big power consumption devices like PTZ IP camera, High power wireless AP etc. The advanced PoE management includes 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.

Lantech IPGS-5408GSFP 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 IPGS-5408GSFP features ITU G.8032 ring which can be self-healed in less than 50ms up to 256 switches that covers data & multicast packets protection. It also supports MSTP that allows RSTP over Vlan for redundant links.

The IPGS-5408GSFP 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 IPGS-5408GSFP is able to alert with the LED indicator and send out an email, traps or a SMS text. Repowered auto ring restore function 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.

The user friendly UI, innovative auto topology drawing and topology demo makes IPGS-5408GSFP much easier to get hands-on. The IPGS-5408GSFP 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.

Lantech IPGS-5408GSFP 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.

The IPGS-5408GSFP 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 IPGS-5408GSFP 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, traps and SMS

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 IPGS-5408GSFP is designed with redundant power supply at 48VDC. Featured with relay contact alarm function, the IPGS-5408GSFP-PTP is able to connect with alarm system in case of power failure. The IPGS-5408GSFP also provides 3000V EFT and 6000V ESD protection, which can reduce unstable situation caused by power line and Ethernet.

Lantech IPGS-5408GSFP 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.

