Lantech IES-5222T(IP67/IP43)

22 10/100TX + 2 1000T L2+ Industrial Managed Switch w/ ITU G.8032 Ring

EN50155 & EN61373 compliance

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

IP67/ IP43 housing; User friendly UI & Auto topology drawing

Miss-wiring avoidance & Repowered auto ring restore

Support LACP link aggregation, IGMP v3, QinQ, SSH/SSL, TACAS+, ACL, IPv6, SMS alert

Support PTPv2 <1us, relay contact & environmental monitoring

Lantech IES-5222T (IP67/IP43) is a high performance L2+ industrial Gigabit uplink switch with 22x10/100TX + 2 1000T by M12 connectors which provides L2 wire speed and advanced security function for connecting PD network. It delivers ITU G.8032 ring recovery less than 20ms, comprehensive QoS, IGMPv1/v2/v3 & router port, QinQ (double tag VLAN), MVR (multicast VLAN registration) , LACP link aggregation and advanced security including ACL, TACAS+, SSH/SSL, DHCP Option 82 which are important features required in large network. It also supports Cisco Discovery Protocol (CDP) and LLDP for Ciscoworks to detect the switch info to be shown on L2 map topology. The user friendly UI, innovative auto topology drawing and topology demo makes IES-5222T (IP67/IP43) much easier to get hands-on. Complete CLI allows professional engineers to configure by command line.

Lantech IES-5222T (IP67/IP43) features ITU G.8032 ring which can be self-healed in less than 20ms up to 256 switches for ring/chain topologies which covers data & multicast packets protection. The innovative auto-Ring configurator (auto mode) can calculate owner and neighbor in a ring which makes ITU G.8032 ring setup never been easier. It supports MSTP that allows RSTP over Vlan for redundant links. The ITU G.8032 ring can co-exist with RSTP for the most flexible protection.

The IES-5222T (IP67/IP43) 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 IES-5222T (IP67/IP43) 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 (node failure protection). 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 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 or the . The built-in watchdog design can automatically reboot the switch when cpu is found dead.

Lantech IES-5222T (IP67/IP43) model features hardware-based PTP IEEE1588 v2 function which can allow 2x GigaT uplinks to synchronize the network with precise accuracy (under 1μs). It has RTC (Real Time Clock) inside that can keep track of time always.

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

In case of event alarm, the IES-5222T (IP67/IP43) will immediately send an email & SMS text message to pre-defined addresses as well as SNMP Traps out. It provides 1DI and 1DO 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 Lantech IES-5222T (IP67/IP43) is designed with redundant power supply at 12~72VDC. Featured with relay contact alarm function, the IES-5222T (IP67/IP43) is able to connect with alarm system in case of power failure or port disconnection events. The IES-5222T (IP67/IP43) also provides 3000V EFT and 6000V ESD protection, which can reduce unstable situation caused by power line and Ethernet.

IES-5222T (IP67/IP43) is designed to meet with critical network environment with IP67/IP43 aluminum enclosure and M12 connectors for water proof. It passed serious tests under extensive Industrial EMI and Safety standards. It also passed stability testing EN61373 such as Shock, and Vibration. For more usage flexibilities, IES-5222T (IP67/IP43) supports wide operating temperature from -40°C to 75°C.