

**Product Model** LGS2000-F-26GH-M



**Product Overview** LGS2000-F-26GH-M is a full Gigabit Ethernet switch, providing 8 x 100/1000Mbps SFP ports, 10 x 1000/100/10Mbps RJ45 ports, 8 x combo Ethernet ports for various applications such as new energy or surveillance with better redundancy. A full Gigabit network provides a higher bandwidth than the legacy Fast Ethernet network and reduces the response time for time-sensitive applications. With the powerful features, LGS2000-F series managed switches can easily to prioritize, partition and organize the network to provide reliable and high-quality services.

**Technical Specification**

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| <p><b>Ethernet</b><br/>Store and forward, L2 wire-speed/non-blocking switching engine</p> <p><b>Standard</b><br/>IEEE 802.3 10Base-T, IEEE 802.3u 100Base-Tx<br/>IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X<br/>IEEE802.1D STP, IEEE802.1W RSTP, IEEE 802.1s MSTP<br/>IEEE802.3X(Full Duplex) and Back-Pressure (Half Duplex)<br/>IEEE802.1Q tag-based VLANs, IEEE802.1ad Double Tagging(Q in Q)</p> <p><b>Switch Properties</b><br/>MAC Table: 8K<br/>MAX VLANs: 256<br/>Packet Forwarding Rate: 4Mpps<br/>Switching Delay: &lt;8us</p> <p><b>Interface</b><br/>Fiber Ports: 8 1000Base-X (SFP )<br/>RJ45 Ports: 10 10/100/1000 Base-Tx RJ45 ports<br/>Combo ports: 8</p> <p><b>Multicast protocols</b><br/>IGMP V1 / V2 / V3<br/>IGMP snooping and querying<br/>Immediate leave and leave proxy<br/>Throttling and filtering<br/>IEEE802.1ab Link layer Discovery Protocol( LLDP)</p> | <p><b>Traffic management &amp; Qos</b><br/>IEEE802.1P Qos<br/>Number of queues per port: 8<br/>SPQ, WRR, SPQ+WRR<br/>port-based shaping</p> <p><b>Security</b><br/>IP and MAC-based access control<br/>IEEE802.1X Authentication Network Access Control<br/>Multicast/Broadcast/Flooding Storm Control</p> <p><b>Management</b><br/>Cisco-like CLI (command line interface)<br/>WEB-based Management<br/>SNMP v1, v2 and v3<br/>Telnet, HTTPs, SSH<br/>Web for Configuration Import/Export.<br/>Web for Firmware Upgrade<br/>Syslog<br/>Per VLAN mirroring<br/>Ethernet Copper connection diagnostic tool SFP with DDM<br/>MIBS, Client, Server, Relay, Snooping<br/>Support NTP/SNTP<br/>Device info/status/Ethernet port status</p> | <p><b>Physical Characteristics</b><br/>Housing: Metal, fanless<br/>Protection Class: IP40<br/>Dimensions: 440mmx44mmx315mm(WxHxD)<br/>Weight: 4.5kg<br/>Mounting: Rack Mounting</p> <p><b>Power</b><br/>Redundant Input Terminals<br/>12-48VDC<br/>Reverse power protection</p> <p><b>Indicators</b><br/>Power Status indication Indication of power input status<br/>Ethernet port indication Link&amp;Speed</p> <p><b>Industry Standard</b><br/>EMI:<br/>FCC CFR47 Part 15, EN55022/CISPR22, Class A<br/>EMS:<br/>IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)<br/>IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)<br/>IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV<br/>IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV<br/>IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)<br/>IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V /1s</p> | <p><b>Machinery:</b><br/>IEC60068-2-6 (Vibration)<br/>IEC60068-2-27 (Shock)<br/>IEC60068-2-32 (Free Fall)</p> <p><b>Approvals</b><br/>CE, FCC, RoHS</p> <p><b>Quality Assurance</b><br/>MTBF: 360,000 hrs<br/>Warranty: 3 years</p> <p><b>Environmental Limits</b><br/>Operating Temperature: -40 to 85°C<br/>Storage Temperature: -40 to 85°C<br/>Ambient Relative Humidity: 5 to 95% (non-condensing)</p> |
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