GTL-2091 20-Port L3 Managed Gigabit Switch, 12 x 10GbE SFP+, 8 x Gigabit RJ45, Redundant power supply

Product Images

Short Description

- 8 Gigabit Ethernet ports and 12 10-Gigabit SFP+ slots
- Supports power redundancy with dual AC power inputs
- Comprehensive Layer 3 features such as IPv4/v6 static route, RIP v1/v2, OSPF v2/v3 and BGP
- Virtual stacking supports up to 4 switches in a single logical stack for unified management, monitoring and configuration
- Access Control: Access Control List (ACL) / RADIUS
- Supports VLAN (tag-based, Q-in-Q)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports unknown unicast / broadcast / multicast storm control
- Supports IPv4/IPv6 network operation
- DHCP Client/Server
- Provides QoS control based on IP DSCP for advanced traffic prioritization and bandwidth management
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management

Description

The GTL-2091 is LevelOne latest generation of 20-Port L3 Managed Gigabit Switch, 8 x Gigabit RJ45, with 12 10G SFP+ port connectivity. High-density SFP ports built into allow users to insert different SFP transceivers providing the necessary fiber connections for creating Area Networks infrastructure. also offers AC dual power failover, allowing for continued operation regardless of a single power source failure.

The GTL-2091 offers powerful L3 features(IPv4/v6 static route, RIP v1/v2, OSPF v2/v3, BGP, PIM-DM, PIM-SM), The switch also supports the most advanced IPv6 management,IPv6 security, and IPv6 multicast control in accordance with the growth of IPv6 deployment. ISPs can expand their services for home to business users by providing a more reliable and resilient network , and advanced OAM (Operations, Administration, and Maintenance) functions to ensure service-level agreements. enabling you to scale

your operations to meet business growth, operational cost savings, and ease of management.

Additional Information

Console RJ45	1
Gigabit RJ45	8
Color	Grey
EAN	4015867208366
Model Number	GTL-2091
Features	L2 Features ● Spanning Tree Protocol ● 802.1D Spanning Tree Protocol (STP) ● 802.1w Rapid Spanning Tree Protocol (RSTP) ● 802.1s Multiple Spanning Tree Protocol (MSTP), 32 instances ● MAC Address Table ● Up to 32K entries ● Flow Control ● 802.3x Flow Control when using Full Duplex ● Back Pressure when using Half Duplex ● HOL Blocking Prevention ● Root Guard ● Loop Guard ● Jumbo Frame ● Up to 9KB ● 802.1AX Link Aggregation ● ERPS (Ethernet Ring Protection Switching) ● Port Mirroring ● Supports One-to-One, Many-to-One ● Supports Mirroring for Tx/Rx/Both ● Supports 4 mirroring groups ● Supports Mirroring for Rx ● VLAN Mirroring L2 Multicast Features ● MLD Snooping ● MLD v1/v2 Snooping ● Supports 256 groups ● Host-based MLD Snooping Fast Leave ● Supports 64 static MLD groups ● MLD Snooping Querier ● Per VLAN MLD Snooping ● MLD Proxy Reporting IGMP Snooping ● IGMP v1/v2/v3 Snooping ● Supports 256 IGMP groups ● Supports 64 static IGMP groups ● IGMP per VLAN ● IGMP Snooping Querier ● Host-based IGMP Snooping Fast Leave VLAN ● 802.1Q ● Double VLAN (Q-in-Q) ● Port-based Q-in-Q ● Selective Q-in-Q ● Port-based VLAN ● MAC-based VLAN ● Subnet-based VLAN ● Private VLAN ● VLAN Group ● Max. 4K static VLAN groups ● Max. 4094 VIDs ● Multicast VLAN ● Voice VLAN ● VLAN Trunking ● GVRP ● Up to 255 dynamic VLANs AAA ● 802.1X Authentication ● Dynamic VLAN Assignment ● RAIDUS and TACACS+ Authentication ● Guest VLAN Access Control List (ACL) ● ACL based on: ● VLAN ● MAC address ● EtherType ● IP address ● Protocol type ● TCP/UDP port number ● IPv6 Traffic Class ● Time-based ACL Quality of Service (QoS) ● 802.1p Quality of Service ● 8 queues per port ● Queue Handling ● Strict ● Weighted Round Robin (WRR) ● Strict + WRR ● Deficit Round Robin (DRR) ● Bandwidth Control ● Port-based (Ingress/Egress, min. granularity 64 Kb/s) ● Flow-based (Ingress/Egress, min. granularity 64 Kb/s) ● Per queue bandwidth control (min. granularity 64 Kb/s) ● Support for following actions: ● Remark 802.1p priority tag ● Remark TOS/DSCP tag ● Bandwidth Control ● Committed Information Rate (CIR) ● QoS based on ● 802.1p Priority Queues ● DSCP ● IP address ● MAC address ● VLAN ● IPv6 Traffic Class ● TCP/UDP port ● Switch Port ● Ether Type ● ToS/IP Preference ● Protocol Type IPv6 Features: ● Native IPv6 ● IPv4/IPv6 Dual Protocol stack ● IPv6 Address Types Stack: Unicast ● IPv6 Neighbor Discovery: ● Duplicate address ● Address resolution ● Unreachable neighbor detection ● Stateless auto-configuration Manual configuration Remote IPv6 ping ● IPv6 Telnet support ● HTTP over IPv6 ● SNMP over IPv6 ● IPv6 Syslog support ● IPv6 TFTP support ● MLD Snooping v1 ● IP source guard ● IPv6 source guard Operations, Administration, and Maintenance ● Cable Diagnostics ● 802.3ah Ethernet Link OAM ● Dying Gasp ● 802.1ag Connectivity Fault Management (CFM) ● Optical Transceiver Digital Diagnostic Monitoring (DDM) L3 Features ● ARP ● 512 Static ARP ● Supports Gratuitous ARP ● IP Interface ● Supports 256 interfaces ● Loopback Interface ● IPv6 Tunneling ● IGMP Proxy Reporting ● VRRP ● OSPF v2/v3 ● BGP ● PIM-DM (Protocol Independent Multicast - Dense Mode) ● PIM-SM (Protocol Independent Multicast - Sparse Mode) L3 Routing ● IPv4/v6 Static Routing ● Supports route redistribution ● Supports secondary route ● Default Routing ● Policy-based Route (PBR) ● Route Redistribution ● Supports 32K hardware L3 forwarding entries shared by IPv4/IPv6 ● Max. 32K IPv4 entries ● RIP v1/v2 ● RIPng 2
Data rate	Gigabit and 10-Gigabit Ethernet
PoE Supported	No
Concurrent ports	Total 20.00
Fanless	No
Manageable	Yes
Grade	Commercial
Approval and Compliance	CE, FCC Part 15 Subpart B, RoHS
Operating humidity	10% RH ~ 90% RH
Operating temperature	0°C ~ 50°C
Storage humidity	5% RH ~ 95% RH
Storage temperature	-40°C ~ 70°C
Package Contents	● GTL-2091 ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Rubber Feet ● Quick Installation Guide ● Resource CD (User Manual, QIG)
Switching capacity	256Gbps
Dimensions (W x D x H)	440 x 315 x 44 mm
Product weight (kg)	3,6
Backplane (Gbps)	256
Flash memory size	16 MB
Packet forwarding rate	● 10000Mbpss port - 136,904,740pps ● 1000Mbpss port - 13,690,474pps ● 100Mbpss port - 1,369,047pps ● 10Mbpss port - 136,904pps
Heat dissipation	170.65 BTU/hr (1000BTU/H =293W)
Indicators	● Power ● Sys ● Link/ACT
Jumbo frame (KB)	9 KB
MAC address table	32 K
Mount	19" rack mount
MTBF	185,680 hr(25 °C)
Packet buffer	3 MB
Power consumption	● 35W (Standby) ● 50W (full loading on)
Power input	100-240V AC, 50/60 Hz, Maximum 7.8A@100V or 0.36A@220V
Power supply	2 x redundancy AC power
RAM size	512 MB
Standards	● IEEE 802.3 100BASE-FX ● IEEE 802.3z (1000BASE-SX/LX/TX)SFP Transceivers ● IEEE 802.3ae (10GBase-SR/LX)SFP+ Transceivers ● IEEE 802.3x for full-duplex mode ● IEEE 802.1D Spanning Tree Protocol (STP) ● IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) ● IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) ● IEEE 802.1Q VLAN ● IEEE 802.1ad QinQ and Selective QinQ ● IEEE 802.3ad Link Aggregation Control Protocol ● IEEE 802.1p CoS ● IEEE 802.1x port based and MAC based authentication ● IEEE 802.3az Energy-Efficient Ethernet (EEE) ● IEEE 802.3ah Ethernet Link OAM