

GTL-2885 TURING 28-Port L3 Lite Managed Gigabit Switch, 24 × 1G RJ45, 4 × 1G/10G SFP+ Uplinks

Product Images





Short Description

- 24 Gigabit-RJ45-Access-Ports und vier 1G/10G-SFP+-Uplinks bieten flexible Konnektivität für bandbreitenintensive Access- und Aggregationsanwendungen.
- ERPS-Unterstützung (G.8032) ermöglicht eine Umschaltzeit von unter 50 ms in Ringtopologien und gewährleistet eine hohe Netzwerkverfügbarkeit für Enterprise- und Campus-Umgebungen.
- Layer-3-Lite-Funktionalität, einschließlich statischem IPv4/IPv6-Routing und integriertem DHCP-Server, verbessert die Effizienz der Datenweiterleitung und die Netzwerksegmentierung.
- Umfassende VLAN-Unterstützung, darunter portbasierte, protokollbasierte, Private VLANs, Q-in-Q und IEEE-802.1Q-Tagging, ermöglicht eine flexible und sichere Netzwerksegmentierung.
- Sichere Zugriffskontrolle mit RADIUS- und TACACS+-Authentifizierung sowie ACL-Unterstützung und mehrstufiger Verwaltungssicherheit.
- Zentrale Netzwerkverwaltung über Web UI, SNMP v1/v2c/v3, CLI, Telnet, SSH sowie das integrierte Device Management System (DMS) zur Verwaltung, Diagnose und Überwachung angeschlossener Netzwerkkomponenten und Geräte.

Description

Der LevelOne GTL-2885 TURING ist ein 28-Port L3-Lite-Managed-Gigabit-Switch für Enterprise- und Campus-Netzwerke. Er verfügt über 24 Gigabit-RJ45-Ports sowie vier 1G/10G-SFP+-Uplinks und bietet damit flexible Anschlussmöglichkeiten für Access- und Aggregationsanwendungen. Integriertes IPv4/IPv6 Static Routing, ein DHCP-Server sowie ERPS (G.8032) sorgen für effiziente Datenweiterleitung und hohe Verfügbarkeit.

Das integrierte Device Management System (DMS) ermöglicht die zentrale Steuerung und Überwachung angeschlossener Geräte – einschließlich WLAN-Access-Points und IP-Überwachungssystemen. Es bietet automatische Geräteerkennung, Sicherheitsereignis-Erkennung und Kabeldiagnose. Alle Verwaltungsfunktionen sind über einen Standard-Webbrowser auf PC, Tablet oder Smartphone zugänglich.

syslog etc. LACP Trunking • Link Aggregation Control Protocol (LACP) IEEE 802.3ad: Controls whether LACP is enabled on this switch port. LACP will form an aggregation when 2 or more ports are connected to the same partner • Up to 14 groups • Up to 16 ports per group GARP VLAN Registration Protocol (GVRP) • GVRP stands for GARP (Generic Attribute Registration Protocol) VLAN Registration Protocol. It's a Layer 2 network protocol, for automatic configuration of switches in a VLAN network DHCP Relay • Relay of DHCP traffic to DHCP server in different VLAN • Works with DHCP Option 82 IGMP v1/v2/v3 Snooping • IGMP limits bandwidth-intensive multicast traffic to only the requesters. Supports 1024 multicast groups IGMP Querier • IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router IGMP Proxy • IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router MLD v1/v2 Snooping • Delivers IPv6 multicast packets only to the required receivers Multicast VLAN Registration (MVR) • It uses a dedicated manually configured VLAN, called the multicast VLAN, to forward multicast traffic over Layer 2 network in conjunction with IGMP snooping

IEEE 1588v2 PTP • Support IEEE 1588 v2 PTP (Precision Time Protocol). DHCP • DHCP Server: Support DHCP server to assign IP to DHCP clients. • DHCP client: The Dynamic Host Configuration Protocol (DHCP) is a standardized network protocol used on Internet Protocol (IP) networks for dynamically distributing network configuration parameters, such as IP addresses for interfaces and services. Event/Error Log • Support SNMP Trap/Syslog/SMTP. SNMP • SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM). Remote Monitoring (RMON) • Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis. Firmware Upgrade • Web browser upgrade (HTTP/ HTTPS) and TFTP. • Upgrade through console port as well. Configuration Export/Import • Update of the firmware controlling the switch. Port Mirroring • Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported. IEEE 802.1ab (LLDP) • Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network. • Support LLDP-MED (ANSI/TIA-1057) extensions. UPnP • The Universal Plug and Play Forum, an industry group of companies working to enable device-to-device interoperability by promoting Universal Plug and Play. CDP Aware • The CDP operation is restricted to decoding incoming CDP frames (The switch doesn't transmit CDP frames). CDP frames are only decoded if LLDP on the port is enabled. s-Flow • The industry standard for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats. Web GUI Interface • Built-in switch configuration utility for browser-based device configuration. CLI • For users to configure/manage switches in command line modes. Dual Image • Independent primary and secondary images for backup while upgrading. NTP • Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched. Switch Management • HTTP/HTTPS. • SSH. • DHCP Client/ DHCPv6 Client. • Telnet. • IPv6 Management. Diagnostics • Cable diagnostics. • Ping. • Syslog. Device Management System (DMS) 1. Graphical Monitoring • Topology view: Support intuitive way to configure and manage switches and devices with visual relations. • Floor view: It's easy to drag and drop PoE devices and help you to build smart workforces. • Map view: Enhance efficiency to drag and drop devices and monitor surroundings on google map. • Display visual chart of network traffic of all devices and

Sicherheit	ACLs Supports up to 512 entries. Drop or rate limitation based on: • Source and destination MAC, VLAN ID or IP address, protocol, port. • Differentiated services code point (DSCP) / IP precedence. • TCP/ UDP source and destination ports. • 802.1p priority. • Ethernet type. • Internet Control Message Protocol (ICMP) packets. • TCP flag. Port Security • Locks MAC addresses to ports, and limits the number of learned MAC address. IP Source Guard • Prevents illegal IP address from accessing to specific port in the switch. Storm Control • Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port. IEEE 802.1X • IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions. • Supports IGMP-RADIUS based 802.1X. • Dynamic VLAN assignment. TACACS+ • Supports TACACS+ authentication. Switch as a client. Secure Shell (SSH) • SSH secures Telnet traffic in or out of the switch, SSH v1 and v2 are supported. Secure Sockets Layer (SSL) • SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch. HTTPs and SSL (Secured Web) • Hyper Text Transfer Protocol Secure (HTTPS) is the secure version of HTTP. BPDU Guard • The BPDU guard, an enhancement to STP, removes a node that reflects BPDUs back in the network. It enforces the STP domain borders and keeps the active topology predictable by not allowing any network devices behind a BPDU guard-enabled port to participate in STP. DHCP Snooping • A feature acts as a firewall between untrusted hosts and trusted DHCP servers. Loop Protection • To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations.
Grade.	Commercial
PoE Supported.	Nein
Manageable.	Ja
Fanless.	Nein
Concurrent ports.	28,00 Total
Series.	TURING series
Schaltleistung	128 Gbps
Zulassungen und Konformität	• FCC Part 15 Subpart B, Class A • CE • LVD • UKCA • RoHS

Operating humidity.	0% RH ~ 95% RH
Operating temperature.	0°C ~ 50°C
Storage humidity.	5% RH ~ 95% RH
Storage temperature.	-20°C ~ 70°C
Lieferumfang	• GTL-2885 • Power Cord • DB9 to RJ45 Console Cable • 19" Rack Mount Kit • Rubber Feet • Quick Installation Guide • Declaration of Conformity
Farbe	Grey
Modellnummer	GTL-2885
Produktgewicht (kg)	2.675 kg
Dimensions (W x D x H).	442 x 211 x 44 mm
Stromversorgung	100-240 VAC, 50/60Hz
Data Rate.	10Gbps
Standards.	IEEE 802.3 10-BASE-T, Ethernet, IEEE 802.3u 100-BASE-TX, Fast Ethernet, IEEE 802.3ab 1000BASE-T, Gigabit Ethernet, IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3ae changeable (10GBASE-SR/LR/ER), IEEE 802.3ad Link Aggregation Control Protocol (LACP), IEEE802.3z 1000Base-SX/LX
Power supply included.	Ja
Energieverbrauch	• 29.6 W (100 V~, 0.57 A) • 29.7 W (110 V~, 0.52 A) • 30.0 W (220 V~, 0.31 A) • 29.5 W (240 V~, 0.30 A)
Paket-Weiterleitungsrate	95.238 Mpps
Befestigung	19" rack mount, Desk mount
MAC-Adresstabelle	32 K
Jumbo-Frames (KB)	10 KB

