

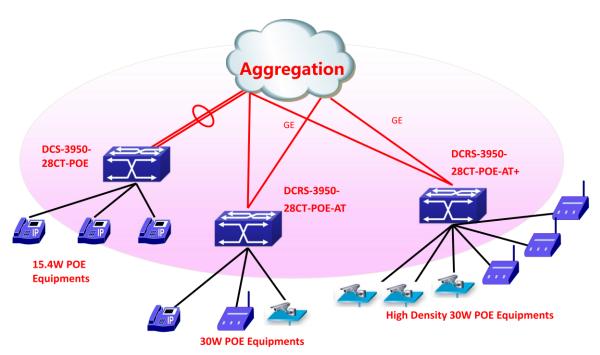
DCS-3950-28CT-POE fully loaded AT PoE Switch Datasheet



DCS-3950-28CT-POE

Product Overview

DCS-3950-28CT-POE is fully loaded PoE switch for carrier and enterprises. It supports comprehensive QoS, enhanced VLAN functions (Vlan VPN, Voice Vlan, QinQ, etc), classified bandwidth control, multilink aggregation, intelligent security control, which fulfill the network requirements for carrier network, MAN security access. With 802.3af and 802.at POE support, DCS-3950-POE-AT could provide power supply for large power consumption equipments as wireless AP, IP phone and Network Camera



Application



Main Features

High adaptability VLAN Features

- DCS-3950-28CT-POE support 802.1q and port based VLAN, as well as MAC based VLAN. When user move from one port to another, system can still record it as the same user through identified MAC and then keep the same VLAN for the user.
- DCS 3950 series has unique Stacking Vlan technology, supporting up to 16 million VLAN, thus can provide one VLAN to each user. The advantages are: most small broadcast domain, with high efficiency; separate data between users on L2 with high security; unique VLAN for each user to identify the user; and VLAN for each user improves the management and operation level.
- DCS-3950-28CT-POE Vlan VPN (QinQ) technique provide low cost, easy operation, manageable L2 VPN function, and differentiate data packets by its service and area to support more and more business.
- Voice Vlan function enables to add IP Phone to voice VLAN to ensure effective QoS.

High Reliability

- DCS-3950-28CT-POE series support VCT, help to locate the error places in the link, make it fast to solve relative problems for network management
- DCS-3950-POE series support STP, RSTP, MSTP based on 802.1D, 802.1W, 802.1S, to avoid loop link and configure abundant backup link in network. 802.3ad port aggregation supported, to add link bandwidth and abundant connection between equipments

Enhanced Security

- IEEE 802.1X port-based access control ensures all users are authorized before being granted access to the network. User authentication is carried out using any standard-based RADIUS server.
- One thousand large number of Access Control Lists (ACLs) can be used to restrict access to sensitive network resources by denying packets and forward by different policies.
- The DCS-3950-28CT-POE support DHCP snooping, which prevents DHCP attacks and illegal DHCP SERVER by setting trust ports and untrust ports. With DHCP Snooping binding and option82 enabled, it can combine modules like dot1x and ARP, or implement user-access-control independently
- The DCS-3950-28CT-POE product support much more L2 security features such as ARP guard, Anti-ARP scanning, and other ARP and MAC security technology to protect network security and reliability.

Comprehensive QoS



 DCS-3950-28CT-POE switch can classify stream by port, 802.1p, TOS, DSCP and assign different level of service, supports SWRR/WRR/SP to provide QOS for voice/data/video.

Abundant Multicast Features

- DCS-3950-28CT-POE also support MVR(Multicast VLAN Register), selectively allows traffic to cross between different VLANs for bandwidth and security reasons. With MVR Trunk function, which could associate multicast Vlan to trunk port, DCS-3950-28CT-POE combine the Vlan data into the same link, saving lots of resources for users.
- The DCS-3950-28CT-POE could prevent multicast traffic from flooding through IGMP Snooping, while multicast traffic is forwarded to ports associated to multicast devices only

Simple management

- DCS-3950-28CT-POE supports Simple Network Management Protocol (SNMP), in-band and out-of-band. Supports Command Line Interface (CLI) and WEB, supports Security IP function to prevent illegal users log in or change the configuration.
- As an important feature of carrier network, OAM can help the user to monitor and manage the network across different protocols and equipments.
- DCS-3950-28CT-POE supports Secure Shell (SSH), which will ensure the security of switch management and configuration.
- DCS-3950-28CT-POE can be managed by general network management platform with 3rd management software.

Abundant IPv6 Support

- The DCS-3950-28CT-POE switch supports IPv6 in hardware for maximum performance. As more network devices growing and the need for larger addressing and higher security become critical, the DCS-3950-28CT-POE switch will be a right product to meet the requirement. DCN passed IPv6 form Phase II certificate is the best proof of the application.
- The DCS-3950-28CT-POE switch also supports DHCPv6, based on IPv6, including DHCPv6 server, client, relay and snooping, etc.

> POE support

• The DCS-3950-28CT-POE can support POE (Power Over Ethernet) technical and connect to wireless AP, IP phone and Network Camera. The network can help admin easy deployed of cable.



• With both 802.3af and 802.3at support, the DCS-3950-28CT-POE can support 24 port POE at same time and the MAX power of each port up to 30W. The product can define the power of each port to save the power and set port priority for each port.

Integrated authentication and billing solution

 DCS-3950-28CT-POE support DCN enhanced 802.1x authentication and billing solution, and authentication by port and MAC address. Working with DCN DCBI3000 and 802.1x client, it can bill by time/flow, and strict bundle for account, password, IP, MAC, VLAN, port, and switches. It support anti spam, internet time control. With user based dynamic VLAN and bandwidth authorization, it can allocate IP address based on group policy without DHCP server.

Specifications

| Item | DCS-3950-28CT-POE | |
|--------------------|---|--|
| Ports | 24*10/100Base-TX POE + 2*1000M/Gigabits Combo(SFP/GT) + 2*10/100/1000Base-T | |
| | Performance | |
| Switching Capacity | 12.8Gbps | |
| Forwarding Rate | 9.6Mpps | |
| MAC ADDRESS | 8К | |
| ACL TABLE | 1К | |
| Queues per port | 8 for Gigabits ports, 4 for 10/100M ports | |
| VLAN TABLE | 4К | |
| POE | All ports POE | |
| FOL | Max 24 ports full load of 30W | |
| Physical | | |
| Dimension (W×H×D) | 440mm x 44mm x 350mm | |
| Power Supply | Input AC: 100 V~240 V | |
| | | |
| Power Consumption | 760W | |



| Temperature Working 0°C ~- 50°C, storage -40°C ~-70°C Relative Humidity 5%~-95%, non-condensing EMC safety FCC, CE, RoHS, Main Features Forwarding Storage and forwarding Biordenation 802:10 based Vian and support upto 4K Vian id Support OnQ Support OnQ Support Voice Vian Port based Vian Protocol based Vian Port based Vian Protocol based Vian Portocol based Vian Protocol based Vian Portocol based Vian Protocol based Vian Portocol based Vian Protocol based Vian Support CACP 802:15 MSTP Support Root guard, BPDU guard, BPDU Tunnel Support Root guard, BPDU guard, BPDU Tunnel Link Aggregation Support MAC Inding MAC Operation Support MAC Inding Support MAC Inding Support MAC Inding Support Droot guard, BPDU guard, BPDU Tunnel Support Broat duads / Multicest / Unicest Storm Control Support MAC Inding Support Broat duads / Multicest / Unicest Storm Control Support Droot duads / Multicest / Unicest Storm Control Support Droot duads / Multicest / Unicest Storm Control Support | | MTBF | >80000 hours |
|---|-------------------|------------------|---|
| EMC safety FCC, CE, ROHS, Main Features Forwarding Storage and forwarding Revearding 802.10 based Vian and support upto 4K vian id Support Voice Vian Port based Vian Port based Vian Port based Vian Port based Vian Port based Vian Port based Vian Port based Vian Protocio based Vian Support VLAN Bouport Rot guard, BPDU guard, BPDU Tunnel Support Bourge VIW RP Boot Support Root guard, BPDU guard, BPDU Tunnel Support Source / destination MAC based load balance Support Source / destination MAC based load balance Support MAC limit per port Broadcast storm control Support NCT Support VCT Support VCT Support VCT Support VCT Support VCT Support VCT Support VDLD, LLDP, LLDP.MED Support VCT Support HOL preventing first packet Jam, semi-duplex backpressure, duplex < | Temperature | | Working 0°C~50°C, storage -40°C~70°C |
| Forwarding Storage and forwarding B02.10 based Vian and support upto 4K vian id Support OinQ Support OinQ Support OinQ VLAN Type MAC based Vian Port based Vian Port based Vian Protocol based Vian Protocol based Vian Protocol based Vian Support GVRP Support CVRP Support CVRP MAC Operation Support LACP 802.304, max 8 groups trunk with max 8 ports for each trunk, Support LACP 802.33d, max 8 groups trunk with max 8 ports for each trunk, Support MAC binding MAC Operation Support Broadcast / Multicast / Unicast Storm Control Support Broadcast form Support Broadcast / Multicast / Unicast Storm Control Support Int and N:1 port mirror Jumbo Frame Loopback interface Support LDD, LLDP, LLDP.MED Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module </th <th colspan="2">Relative Humidity</th> <th>5%~95%, non-condensing</th> | Relative Humidity | | 5%~95%, non-condensing |
| Forwarding Storage and forwarding 802.10 based Vlan and support upto 4K vlan id Support OinQ Support OinQ Support OinQ VLAN Type Port based Vlan Port based Vlan Port based Vlan IP subnet Vlan Port based Vlan Protocol based Vlan Protocol based Vlan Protocol based Vlan Support Rot guard, BPDU guard, BPDU Tunnel Support Rot guard, BPDU guard, BPDU Tunnel Support Rot guard, BPDU guard, BPDU Tunnel Kado Operation Support NAC binding Support MAC binding Support MAC binding MAC Operation Support Broadcast / Multicast / Unicast Storm Control Support Scrutor Id reat set for broadcast Support UDL, LLDP, MED Support VCT Support NCT Support NUL preventing first packet jam, semi-duplex backpressure, duplex itEE802.3x Ge combo ports could be compatible with FE SFP module Port loop detection Bandwidth con | EMC safety | | FCC, CE, RoHS, |
| L1,L2 802.10 based Vian and support upto 4K vian id Support Orice Vian Support Voice Vian Port based Vian Port based Vian VLAN Type MAC based Vian IP submet Vian Protocio based Vian Protocio based Vian Protocio based Vian Support Root guard, BPDU guard, BPDU Tunnel Support LACP 802.38 (max 8 groups trunk with max 8 ports for each trunk, Support MAC limit per port Support MAC Operation Support MAC limit per port Support MAC filter Support Wort Broadcast / Multicast / Unicast Storm Control Support VCT Support VCT Support VCT Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module </th <th></th> <th></th> <th>Main Features</th> | | | Main Features |
| VLAN Type Support GinQ VLAN Type Support Voice vlan Port based Vlan Port based Vlan IP subnet Vlan Protocol based Vlan Protocol based Vlan Protocol based Vlan Support GVRP 802.10 STP. 802.19 MSTP Support Root guard, BPDU guard, BPDU Tunnel Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support NAC binding Link Aggregation Support NAC Binding Support NAC filter Support MAC filter Support MAC filter Support MAC filter Support VCT Support VCT Support VCT Support VCT Support VCT Support VCT Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection POE+ Support IEEE 802.3at POE+, Max 30W power per port | For | warding | Storage and forwarding |
| VLAN Type Support Voice Van Port based Vian MAC based Vian IP subnet Vian Protocol based Vian Protocol based Vian Support Sure Vian Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Support Root guard, BPDU guard, BPDU Tunnel Support Surce / destination MAC based load balance Support Source / destination MAC based load balance Support MAC filter Support MAC filter Support MAC filter Support MAC filter Support VCT Support VCT Support CT Support VCT Support NCT Support NCT Support NCT Support NCD Support NCT | | | 802.1Q based Vlan and support upto 4K vlan id |
| VLAN Type Port based Vlan VLAN Type MAC based Vlan IP subnet Vlan Protocol based Vlan Private VLAN Support GVRP Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Support GVRP Support Root guard, BPDU guard, BPDU Tunnel Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support NAC binding MAC Operation Support MAC binding Broadcast storm control Support Roadcast / Multicast / Unicast Storm Control Support ILLDP, LLDP, MAC Initier Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE | | | Support QinQ |
| VLAN Type MAC based Vlan IP subnet Vlan Protocol based Vlan Protocol based Vlan Protocol based Vlan Private VLAN Support GVRP 802.1D STP, 802.1W RSTP, 802.1S MSTP 802.1D STP, 802.1W RSTP, 802.1S MSTP Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Link Aggregation Support CACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support source / destination MAC based load balance Support MAC Depration Support MAC binding MAC Operation Support MAC filter Support MAC filter Support MAC filter Support VCT Support VCT Support VCT Support VCT Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection PoE+ Support IEEE 802.3at POE+, Max 30W power per port | | | Support Voice vlan |
| IP subnet Vlan Protocol based Vlan Private VLAN Support GVRP 802.1D STP, 802.1S MSTP Spanning Tree Bit Aggregation Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support Not guard, BPDU guard, BPDU Tunnel Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support source / destination MAC based load balance Support MAC binding MAC Operation Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support VCT Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL, preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE+, Max 30W power per port | | | Port based Vlan |
| Features Protocol based Vian Private VLAN Support GVRP 802.1D STP, 802.1W RSTP, 802.1S MSTP Support Root guard, BPDU guard, BPDU Tunnel Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support Source / destination MAC based load balance Support MAC Diation Support MAC binding Features Broadcast stom control Support VCT Support VCT Support VCT Support VCT Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex lIEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE+, Max 30W power per port Support IEEE 802.3at POE+, Max 30W power per port | | VLAN Type | MAC based Vlan |
| Features Private VLAN Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Support Root guard, BPDU guard, BPDU Tunnel Support Root guard, BPDU guard, BPDU Tunnel Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support source / destination MAC based load balance MAC Operation Support MAC binding Support MAC binding Support MAC limit per port Broadcast storm Support Broadcast / Multicast / Unicast Storm Control control Support VCT Support UCT Support UCT Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port Obcpace GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE+, Max 30W power per port | | | IP subnet Vlan |
| Image: superior GVRP Support GVRP Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Support Root guard, BPDU guard, BPDU Tunnel Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, MAC Operation Support Source / destination MAC based load balance Support MAC binding Support MAC filter Support MAC limit per port Support MAC limit per port Broadcast stom Support VCI control Support VCT Support UDLD, LLDP, LLDP, MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Pot Protection Bupport IEEE 802.3at POE | | | Protocol based Vlan |
| Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Support Root guard, BPDU guard, BPDU Tunnel Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, MAC Operation Support Source / destination MAC based load balance Features MAC Operation Support MAC filter Support MAC limit per port Support MAC limit per port Freatures Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support UDL Support UDLD, LLDP, LLDP-MED Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection POE+ Support IEEE 802.3at POE+, Max 30W power per port | | | Private VLAN |
| Spanning Tree Support Root guard, BPDU guard, BPDU Tunnel Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support Source / destination MAC based load balance MAC Operation Support MAC filter Features Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support UCT Support UCT Support ULDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support GVRP |
| Link Aggregation Support Root guard, BPDU guard, BPDU Tunnel Link Aggregation Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, Support source / destination MAC based load balance Features MAC Operation Support MAC filter Support MAC limit per port Support MAC limit per port Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support VCT Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Bupport IEEE 802.3at POE Support IEEE 802.3at POE | | | 802.1D STP, 802.1W RSTP, 802.1S MSTP |
| Link Aggregation Support source / destination MAC based load balance Support MAC binding NAC Operation MAC Operation NAC binding Support MAC filter Support MAC limit per port Features Features Prote Port Port Port Port Port Port Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE+, Max 30W power per port | | | Support Root guard, BPDU guard, BPDU Tunnel |
| L1,L2 Support source / destination MAC based load balance MAC Operation Support MAC binding Support MAC filter Support MAC limit per port Features Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | | Link Aggregation | Support LACP 802.3ad, max 8 groups trunk with max 8 ports for each trunk, |
| L1,L2 MAC Operation Support MAC filter Features Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support Scontrol and can set rate for broadcast Support VCT Support UDLD, LLDP. MED Support UDLD, LLDP. MED Support UDLD, LLDP. MED Support I:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support source / destination MAC based load balance |
| L1,L2 Support MAC limit per port Features Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control control Support Scontrol and can set rate for broadcast Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support MAC binding |
| Features Broadcast storm control Support Broadcast / Multicast / Unicast Storm Control Support Scontrol and can set rate for broadcast Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | | MAC Operation | Support MAC filter |
| Features control Supports control and can set rate for broadcast Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection POE+ Support IEEE 802.3at POE+, Max 30W power per port | L1,L2 | | Support MAC limit per port |
| control Supports control and can set rate for broadcast Support VCT Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | Footuroo | Broadcast storm | Support Broadcast / Multicast / Unicast Storm Control |
| Port Support UDLD, LLDP, LLDP-MED Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3at POE Support IEEE 802.3at POE+, Max 30W power per port | reatures | control | Supports control and can set rate for broadcast |
| Port Support 1:1 and N:1 port mirror Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | Port | Support VCT |
| Port Jumbo Frame Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support UDLD, LLDP, LLDP-MED |
| Port Loopback interface Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support 1:1 and N:1 port mirror |
| Port Port loop detection Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Jumbo Frame |
| Bandwidth control: At least 64Kbps step Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Loopback interface |
| Support HOL preventing first packet jam, semi-duplex backpressure, duplex IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Port loop detection |
| IEEE802.3x GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Bandwidth control: At least 64Kbps step |
| GE combo ports could be compatible with FE SFP module Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | Support HOL preventing first packet jam, semi-duplex backpressure, duplex |
| Port Protection Support IEEE 802.3af POE Support IEEE 802.3at POE+, Max 30W power per port | | | IEEE802.3x |
| Support IEEE 802.3af POE POE+ Support IEEE 802.3at POE+, Max 30W power per port | | | GE combo ports could be compatible with FE SFP module |
| POE+ Support IEEE 802.3at POE+, Max 30W power per port | | | Port Protection |
| | | POE+ | Support IEEE 802.3af POE |
| Support global / port POF function control | | | Support IEEE 802.3at POE+, Max 30W power per port |
| capport global / port i OE fullotion control | | | Support global / port POE function control |



| QOS Featu | ures | 4 hardware queues per FE port and 8 queues per GE port Support QinQ Traffic classification based on IEEE 802.1p CoS, IP Precedence, DSCP, Access Control List Supports SP, WRR, SWRR for scheduling Support flow shaping |
|-------------------|-------------------|--|
| | ıres | Traffic classification based on IEEE 802.1p CoS, IP Precedence, DSCP, Access Control List Supports SP, WRR, SWRR for scheduling Support flow shaping |
| | ures | Access Control List Supports SP, WRR, SWRR for scheduling Support flow shaping |
| IEEE | | Support flow shaping |
| IEEE | | Support flow shaping |
| IEEE | | |
| IEEE | | Port, MAC based authentication |
| IEEE | | Support account based on time length and traffic |
| | 802.1x | Support guest vlan and auto vlan |
| | | Work with private client can manage P2P traffic |
| | | RADIUS for Ipv4 and Ipv6 |
| AAA | | TACACS+ for Ipv4 |
| | | Support 1K Access Control Lists(ACL) based on source/destination IP address, |
| Security | | source/destination MAC address, IP type, IP precedence, time range, ToS. |
| ACL | | ACL on VLAN interface |
| | | Flow redirect based on ACL |
| | | Monitor pingSweep, and anti illegal multicast, controlled traffic |
| | Enhanced | Ip source guard support under controlled L3 forwarding block |
| Enhar | | Prevent illegal multicast source and limited multicast. |
| | | Support DHCP Snooping, and DHCP Snooping option 82 |
| | | Support IGMP v1/v2/v3 snooping |
| | | Support Multicast Vlan Register (MVR) based on port |
| Multicas | t | Support Multicast receive control |
| manioue | • | Support illegal multicast source detect |
| | | Support multicast policy configuration |
| | | ICMPv6, NDP, SNMP over IPv6, HTTP over Ipv6, Ipv6 Ping/tracer, Ipv6 Telnet, |
| | | Ipv6 RADIUS+, Ipv6 Syslog, IPv6 SNTP, IPv6 FTP/TFTP |
| IPv6 | | Support DHCPv6 Server, Relay, Snooping |
| | | Support MLD Snooping |
| | | Support IPv6 MVR |
| | Switch Management | CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 |
| | | RMON 1,2,3,9 |
| | | SSHv1,v2 support |
| | | RJ45 Console |
| Management Switch | | Support Public & Private MIB interface |
| | | Supports SNTP/NTP, Summer Saving Time |
| | | Support Multiple sys-log servers |
| | | Support OAM 802.3ah |



| | | Support NMS software management |
|--|---------------|--|
| | | Support MAX 24 unites cluster |
| | | Supports IPv4 and IPv6 Security IP management |
| | Firmware & | Firmware upgrade via TFTP/FTP server |
| | Configuration | Configuration file upload/download via TFTP/FTP server |
| | DUCD | Supports BOOTP, DHCP server/client for IP address assignment |
| | DHCP | Support DHCP relay option 82, DHCP Snooping, and DHCP Snooping option 82 |

Warranty

Limited lifetime warranty

Ordering information

| Model | Description |
|-------------------|---|
| DCS-3950-28CT-POE | 24*10/100Base-TX POE+ 2* 1000M/Gigabits Combo(SFP/GT) + 2*10/100/1000Base-T |

Connect us

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