

Products

LAN Switches

Power over Ethernet

Layer 3 Managed PoE Switch
 Layer 2/2+ Managed PoE Switch
 Layer 2 Web Smart PoE Switch
 Unmanaged PoE Switch
 Long Reach PoE Solution
 PoE Injector Hub
 PoE Injector / Splitter
 PoE Extender
 PoE Media Converter
 Solar Power PoE System
 PoE Powered Device
 Industrial Power over Ethernet

Industrial Ethernet

Media Conversion

Passive Optical Network

Wireless LAN

IP Surveillance

IP Telephony

Broadband Communication

Home Automation

Network Security

Network Peripheral

Partner Login

User Name:

Password:



Print Version

LRP-422CST **NEW**

Industrial 4-port Coax + 2-port 10/100/1000T + 2-port 100/1000X SFP Long Reach PoE over Coaxial Managed Switch



Overview

Applications

Key Features

Specifications

Download

Related Products

Physical Port

- 4 100Mbps BNC female ports with **Long Reach PoE** Injector function
- 2 10/100/1000BASE-T Gigabit RJ45 copper ports
- 2 100/1000BASE-X mini-GBIC/SFP slots
- RJ45 console interface for switch basic management and setup

Long Reach Power over Ethernet

- Supports PoE power up to 36 watts for each PoE port
- Remote power feeding up to 1 kilometer with 5C2V/RG6 75Ω coaxial cable
- Long Reach PoE Management
 - Total Long Reach PoE power budget control
 - Per port Long Reach PoE function enable/disable
 - Long Reach PoE port power feeding priority
 - Per Long Reach PoE port power limitation
 - Long Reach PD alive check
 - Long Reach PoE schedule

Industrial Case/Installation

- IP30 aluminum case protection
- DIN-rail and wall-mount design
- Redundant Power Design
 - 48 to 56V DC, redundant power with polarity reverse protect function
- Supports EFT protection for 6000V DC power and 6000V DC Ethernet ESD protection
- -40 to 75 degrees C operating temperature

Layer 2 Features

- Prevents packet loss with back pressure (half-duplex) and IEEE 802.3x pause frame flow control (full-duplex)
- High performance Store and Forward architecture, broadcast storm control and runt/CRC filtering that eliminates erroneous packets to optimize the network bandwidth
- Supports **VLAN**
 - IEEE 802.1Q tagged VLAN
 - Provider Bridging (VLAN Q-in-Q, IEEE 802.1ad) support
 - Protocol VLAN
 - Voice VLAN
 - Private VLAN
 - Management VLAN
 - GVRP
- Supports **Spanning Tree Protocol**
 - STP (Spanning Tree Protocol)
 - RSTP (Rapid Spanning Tree Protocol)
 - MSTP (Multiple Spanning Tree Protocol)
 - STP BPDU Guard, BPDU Filtering and BPDU Forwarding
- Supports **Link Aggregation**
 - IEEE 802.3ad Link Aggregation Control Protocol (LACP)
 - Cisco ether-channel (static trunk)
 - Maximum 4 trunk groups, up to 4 ports per trunk group
- Provides port mirror (many-to-1)
- Loop protection to avoid broadcast loops

Quality of Service

- Ingress/egress rate limit per port bandwidth control
- Storm control support
 - Broadcast/unknown unicast/unknown multicast
- Traffic classification
 - IEEE 802.1p CoS
 - ToS/DSCP/IP Precedence of IPv4/IPv6 packets
- Strict priority and Weighted Round Robin (WRR) CoS policies

Multicast

- Supports IGMP snooping v2 and v3
- Supports MLD snooping v1, v2
- IGMP querier mode support
- IGMP snooping port filtering
- MLD snooping port filtering

Security

- Authentication
 - IEEE 802.1X Port-based network access authentication
 - Built-in RADIUS client to co-operate with the RADIUS servers
 - RADIUS/TACACS+ login user access authentication
- Access Control List
 - IPv4/IPv6 IP-based ACL
 - MAC-based ACL
- MAC Security
 - Static MAC
 - MAC filtering
- Port security for source MAC address entries filtering
- DHCP snooping to filter untrusted DHCP messages
- Dynamic ARP inspection discards ARP packets with invalid MAC address to IP address binding
- IP source guard prevents IP spoofing attacks
- DoS attack prevention
- SSH/SSL

Management

- IPv4 and IPv6 dual stack management
- Switch management interface
 - Web switch management
 - Telnet command line interface
 - SNMP v1, v2c and v3
 - SSH/SSL secure access
- User privilege levels control
- Built-in Trivial File Transfer Protocol (TFTP) client
- BOOTP and DHCP for IP address assignment
- System maintenance
 - Firmware upload/download via HTTP/TFTP
 - Configuration upload/download through Web interface
 - Dual images
 - Hardware reset button for system reboot or reset to factory default
- SNTP Network Time Protocol
- Cable diagnostics
- Link Layer Discovery Protocol (LLDP) and LLDP-MED
- SNMP trap for interface linkup and linkdown notifications
- Event message logging to remote Syslog server
- Four RMON groups (history, statistics, alarms and events)
- PLANET Smart Discovery utility

Ordering Information

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