

HCL 24 Port 10/100 Mbps Smart Switch with one Slot

HCL-24T-1S is a 24-port Fast Ethernet smart switch with one slot that can be plugged with fiber modules for long distance network connection.



Advanced features like port-based Virtual LANs and port priority allows segmenting of the network into smaller workgroups and having network-traffic prioritization for real-time application servers. The bandwidth control offers network administrators the power to decide the user bandwidth of each port on the switch. Port Trunking provides bandwidth aggregation and fail-over redundancy between the switches. All these advanced features are configurable through HCL-24T-1S console port. HCL-24T-1S is an excellent choice for today's most demanding Ethernet-based switching applications in small and medium enterprises.

Key Features

- **High-Performance-Non-Blocking** – With its large backplane capacity of 5Gbps, HCL-24T-1S delivers non-blocking collision-free packet switching capability. It offers operation at wire-speed on all ports, delivering optimum access to all the network resources.
- **Rack-Mountable** – Its rack-mount form factor at 19-inch allows you to install it in the standard wiring closet.
- **Segment your network** – HCL-24T-1S supports up to 32 VLAN groups of Port-based VLAN, 802.1q, which allows segmenting of the entire network into smaller workgroups to improve the network performance. Segmenting the network would markedly reduce the network broadcast.
- **Network Expansion/ Flexibility** – It gives network administrators the flexibility to enable long distance network connection. The optional expansion slot accommodates a 100Mbps fiber optic module, which enables network administrators to connect to remote sites easily and quickly.
- **Port-Based Traffic Bandwidth Control** - HCL-24T-1S provides network administrators the ability to assign a maximum bandwidth to each port of the switch. Bandwidth control becomes an important administrative tool to increase the bandwidth efficiency of enterprise networks with high bandwidth demand. The minimum bandwidth on each port can be set to 128Kbps.
- **Prioritize Network Traffic** - Designed based on IEEE 802.1p prioritization, HCL-24T-1S prioritizes the network traffic to allow those real-time applications such as video and sound streaming, which are bandwidth critical, to run seamlessly without bottleneck. When enabled, it supports four levels of priority per port for prioritizing of critical network traffic
- **Interconnect Switches** - Switch Port Trunking provides bandwidth aggregation and fail-over. Port Trunking increases the bandwidth between switches while providing fail-over redundancy.
- **N-way Auto-Negotiation (Auto MDI/MDI-X)** – HCL-24T-1S eliminates common cabling errors by automatically selecting the correct type of Ethernet cables used (Cross or Straight-through)

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Specifications

Standards	<ul style="list-style-type: none"> • IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet) • IEEE 802.3x (Flow Control)
Interfaces	<ul style="list-style-type: none"> • 24 port auto-negotiation 10 Base-T/ 100Base-Tx • 1 slot for 1 x 100Base-FX MM (SC) and 1 x 100Base-FX SM (SC) • Console Port (RS232)
MAC Addresses	<ul style="list-style-type: none"> • 8K
Switching Buffer	<ul style="list-style-type: none"> • 2.5M Bytes
Backplane	<ul style="list-style-type: none"> • 5Gbps
Packet Forwarding Rate	<ul style="list-style-type: none"> • 3.7Mpps
Switching Features/ Functionality	<ul style="list-style-type: none"> • Port based VLAN and 802.1q tagged VLAN aware • IEEE 802.1p (Priority Queuing) - Two priority queues for three types of Class Of Service (CoS) - Port based, 802.1p priority tag, TCP/IP header's TOS/DS classifier • IEEE 802.3ad (Link Aggregation) – up to 7 groups • Bandwidth Control • Port Operational Mode
LED Indicators	<ul style="list-style-type: none"> • Power, Module, Full, Link/ Act, Speed
Power Supply	<ul style="list-style-type: none"> • AC Line Frequency: 50 to 60 Hz • Input Voltage Options: 100 – 240 VAC • Current Ratings: 0.5A (max)
Environment	<ul style="list-style-type: none"> • Operating temperature: 0° ~ 40°C • Storage Temperature: -20° ~ 70°C • Operating Humidity: 10%to 90% relative humidity non-condensing • Storage humidity: 5% to 90% relative humidity non-condensing
Safety Certifications	<ul style="list-style-type: none"> • CE Mark, FCC Class A, Gost, C-Tick, UL
Dimensions	<ul style="list-style-type: none"> • L x W x H: 440 x 200 x 44 mm

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Benefits:

- **Plug and Play operation - Auto MDI/ MDI-X** – HCL-24T-1S supports auto MDI/ MDI-X feature that eliminates common cabling errors by automatically electing the correct type of Ethernet Cables used (Cross or Straight-through)
- **Broadcast Traffic control** – HCL-24T-1S supports Port-based VLAN, which can segment the network into small workgroups and control the network broadcast traffic.
- **Prioritize Network Traffic** – HCL-24T-1S allows prioritizing your network traffic to allow real-time applications to run seamlessly without bottleneck.
- **Port-Based Bandwidth Control** – HCL-24T-1S supports limiting traffic on all ports.
- **Interconnect Switches** – HCL-24T-1S switch Port Trunking provides bandwidth aggregation and fail-over.

Ordering Information

SAP Code	Part Number	Description
CHCSS002	HCL-24T-1S	HCL 24 Port 10/100Mbps Smart Switch with one slot (Rack Mountable)
CHCSS003	HCL-FS-SC-S	HCL 100Base-FX SM (SC) Module
CHCSS004	HCL-FM-SC-S	HCL 100Base-FX MM (SC) Module

Contact Information

HCL Infosystems Ltd.
E- 4,5,6, Sector –11,Noida-201301, UP, INDIA
TEL: +91-120-2526910
Email: infoserve@hclinsys.com
WWW- <http://www.hclinfosystems.com>

** Information subject to change at HCL's discretion