

HCL 8/16 Port 10/100Mbps Desktop Switch

HCL 8/ 16 Port Desktop switch is designed to be an Edge Switch. This Switch is designed to provide lots of bandwidth with minimum hassle. They are 100% Plug-&-Play with easy to read diagnostic LEDs and require no configuration.

HCL Fast Ethernet Desktop Switch is a feature-rich switch supporting advanced features like port trunking and port-based prioritization. This compact switch is an ideal solution for home, small and medium enterprises network environments.

Key Features

- *Non-blocking Performance* – It offers operation at wire-speed on all ports, delivering optimum access to all the network resources.
- *Port Density* – HCL-8T and HCL-16T-U deliver 8 and 16 10/100Mbps Fast-Ethernet ports respectively.
- *Segmentation – Port Based VLAN* – It supports Port-based VLAN, which segments entire network into smaller workgroups to improve network performance as the network broadcast is greatly reduced. (Only for HCL-16T-U)
- *Prioritize Network Traffic* – HCL-16T-U supports Port-based network traffic prioritization. This is very useful for applications such as video and sound streaming, which are bandwidth critical.
- *Load Balancing and Link Redundancy* – When two HCL-16T-U switches are trunked together, switches will automatically perform a load balancing algorithm between the two racks of switches to share the network users. It will also deactivate any redundant link connected to the switches.
- *Plug and Play Operation* – HCL-8T and HCL-16T-U can operate out of the box with no further configuration needed. Its built-in auto-negotiation feature allows 10/100 Mbps auto-sensing ports to adjust to the speed of the workstations' or servers' Ethernet adapter. Automatic MDI/ MDI-X (N-way Auto-Negotiation) is featured in every port, which allows any type of Category 5 Ethernet cable to be used.
- *N-way Auto-Negotiation* – HCL-8T and HCL-16T-U supports automatic MDI/ MDI-X (N-way Auto-Negotiation) and it is featured in every port, which allows any type of Category 5 Ethernet cable to be used.
- *Ease of Configuration* – HCL-16T-U is compact Fast Ethernet smart switch which can be easily configured using DIP button

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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)
Ports	<ul style="list-style-type: none"> ● 8/16 port auto-negotiation 10 Base-T/ 100Base-Tx ports
MAC Addresses	<ul style="list-style-type: none"> ● 1K (HCL-8T) ● 8K (HCL-16T-U)
Buffer Memory	<ul style="list-style-type: none"> ● 128KB (HCL-8T) ● 4MB (HCL-16T-U)
Backplane capacity	<ul style="list-style-type: none"> ● 1.6Gbps (HCL-8T) ● 3.2Gbps (HCL-16T-U)
Packet Forwarding rate	<ul style="list-style-type: none"> ● 1.2Mpps (HCL-8T) ● 2.4Mpps (HCL-16T-U)
Switching Features/ Functionality (For HCL-16T)	<ul style="list-style-type: none"> ● Port Based VLAN ● IEEE 802.3ad (Link Aggregation) ● Port-based Network traffic prioritization
Forwarding Method	<ul style="list-style-type: none"> ● Store and Forward
Management	<ul style="list-style-type: none"> ● DIP Button (HCL-16T-U)
LED Indicators	<ul style="list-style-type: none"> ● Power ● FDX/Col ● Link/ACT 10M, Link/ ACT 100M
Power Supply	<ul style="list-style-type: none"> ● HCL-8T: 7.5VDC, 1.5A ● HCL-16T: 3.3VDC, 3A
Environment	<ul style="list-style-type: none"> ● Operating temperature: 0° ~ 40°C ● Storage Temperature: - 5° ~ 60°C ● Operating Humidity: 10% to 90% relative humidity non – condensing ● Storage Humidity: 5 % to 90% relative humidity non – condensing
Safety Certificate	<ul style="list-style-type: none"> ● FCC Class A, CE Mark, Gost, C-Tick
Dimensions	<ul style="list-style-type: none"> ● HCL-8T: L x W x D: 148mm x 90mm x 25mm ● HCL-16T-U: L x W x D: 151mm x 92mm x 35mm

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Benefits:

- *Auto MDI/ MDI-X* – HCL-8T and HCL-16T-U support 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-16T-U supports Port-based VLAN, which can segment the network into small workgroups and control the network broadcast traffic.
- *Prioritize Network Traffic* – HCL-16T-U allows prioritizing your network traffic to allow real-time applications to run seamlessly without bottleneck.

Ordering Information

SAP Code	Part Number	Description
CHCSU000	HCL-8T	HCL 8 Port 10/100Mbps Fast Ethernet Desktop Switch
CHCSU006	HCL-16T-U	HCL 16 Port 10/100Mbps Fast Ethernet Desktop Smart Switch

Contact Information

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**** Information subject to change at HCL's discretion**