UNIVERGE™ CX-uH3024 LAN Switch

Optimal Performance, No Compromise

The UNIVERGE™ CX-uH3024 LAN Switch provides a complete switching solution for your converged network without compromising security, performance or voice quality. With advanced QoS and security features, the CX-uH3024 optimizes network performance and QoS with high-speed performance and non-blocking architectural design. Its non-blocking switch fabric supports full duplex simultaneous connections for all 24 ports and two Gigabit ports. All 24 ports can auto-negotiate between 10/100 mbps, half duplex or full duplex with flow control provided for half and full duplex operation.

Univerge CX-uH3024

Optimized QoS

The CX-uH3024 LAN Switch offers advanced QoS options with support for Layer 2/3 or Layer 4. Built-in with four queues per port, the switch supports multiple types of QoS functions for port-based, Tag-based 802.1Q or 802.1p/ToS-based (DSCP) prioritization and bandwidth controls.

High-Speed Uplinks

While the CX-uH3024 can function solely as a Layer 2 local data link access device, it also accommodates two optional front panel slide-in card slots that provide two ports for high-speed up-links to aggregation core or distribution LAN switches. The interface for the optional card is Gigabit Ethernet (SFP type), which offers flexibility of different interface types (copper or fiber).

Access with Security

NEC's UNIVERGE philosophy of convergence entails that new technologies are deployed without compromising security. The UNIVERGE CX-uH3024 Switch is no exception. With support of Access Lists, IEEE 802.1x, and AAA, the CX-uH3024 provides secured access to converged IP networks now and in the future.

Easier Management

With an enhanced centralized management platform, the CX-uH3024 can be logically managed with other CX Series switches using a single IP address. This reduces the complexity of managing networks with Univerge CX Series switches. By supporting SNMP, CLI and Web Interface, switch management has been simplified.

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Overview

- Up to 24 10/100 ports with optional Gigabit Ethernet ports (SFP)
- Port Mirroring Support, Full/Half duplex for 10, 100 & 1000 Mbps connections
- 8.8 Gbps (bi-directional) non-blocking switch fabric architecture
- 802.1Q Tagged VLAN Support; up to 255 VLANs per device
- Layer 2 Bridging & Spanning Tree Support (802.1D/W/S, STP, RSTP)
- Layer 2/3 & 4 QoS support with 4 levels of priority queues & 802.1p support
- Link Aggregation (IEEE 802.3ad): up to 6 groups of up to 8 ports
- Broadcast/Multicast Storm Control and IGMP Snooping Support
- Security with Access Lists & IEEE 802.1x Port-based Access Control
- Console port for diagnostics, setup and management
- Web and Command-Line Management Interface
- SNMP, RMON and Syslog Support

Univerge Converged LAN Access

Univerge CX-uH3024

UNIVERGE SV/7000

UNIVERGE WL
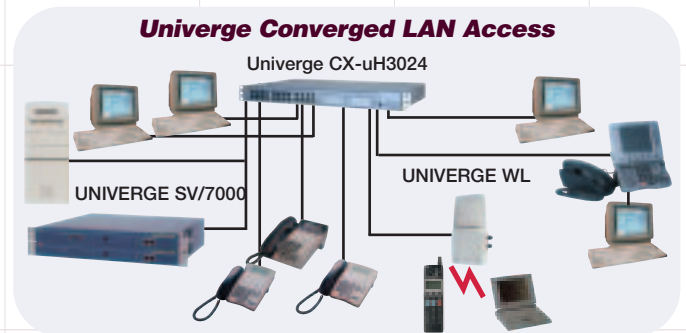
CX-uH3024 LAN Switch Technical Specifications

Interfaces	10BASE-T, 100BASE-TX 1000BASE-X (SFP)	Bridging & Mirroring	Spanning Tree Protocol: IEEE 802.1d/w/s (Rapid) Port Mirroring: Single/Multiple
Flow Control	Half Duplex: Collision-based Full Duplex: IEEE 802.3x	Management	Web, Command Line (CLI) Console or Telnet
VLAN	Tag-based or port-based; Max. 255	SNMP	- Bridge MIB (RFC 1493) - MIB-II (RFC 1213) - RMON 4 Groups (RFC 1757) - NEC MIBs
Trunk	- Max 6 Trunks (8 ports/Group) - IEEE 802.3ad	Power	Voltage: 100V~240V / 50/60 Hz Consumption: 30W
QoS	- 4-Level Queues, 802.1p or port-based - Bandwidth & Broadcast Control	Humidity (non-condensing)	Operating: 10~90%
Security	- IEEE 802.1x Port Access Control - Layer 2 or 3 Access Lists	Temperature	Operating: 0~40 ºC / 32~104 ºF Storage: 0~ 50 ºC / 122 ºF
		Physical	Dimensions: (mm): 442 W x 270 D x 44.5 H (in): 17.4 W x 10.45 D x 1.75 H Weight: 3.5 Kg / 7.72 lbs

Ordering Information

Part #	Description
Systems & Bundles	
0362036	Univerge CX-uH3024 L2 Switch
0362038	Univerge CX-uH3024 w/ 1-port GbE (SFP)
0362039	Univerge CX-uH3024 w/ 2-port GbE (SFP)
Options	
0362037	1-port GbE (SFP Slot) Card / HC-1SFP

To find out more about the CX-uH3024 or to inquire about NEC's powerful and versatile data networking solutions, visit our website at www.necunifiedsolutions.com

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