

UNIVERGE™ CX-FH5610E Multi-Layer Switch

Convergence for Data, Voice, Video and Wireless

With advanced features and optimized performance typical of NEC's innovative engineering, the UNIVERGE CX-FH5610E Multi-Layer Switch provides a complete switching solution for the converged networks of today and tomorrow. Whether you are converging data, voice, video and/or wireless, the UNIVERGE CX-FH5610E is the ideal access aggregation switch that provides complete and efficient business communications. With advanced QoS non-

blocking architecture and flexible Gigabit Ethernet options (GBIC), this switch can enhance network convergence while maintaining optimal performance and security.



Univerge CX-FH5610E

Full-Featured Multi-Layer Aggregation Switch

Built-in with 12-port Gigabit (GBIC) interfaces, the UNIVERGE CX-FH5610E is an ideal aggregation solution for LAN access switches in a converged IP infrastructure. Its unique design simplifies the aggregation and deployment of multiple PoE and non-PoE access switches while providing the enhanced layer 3 switching functions to segment and reduce unnecessary broadcast traffic.

Reduced Deployment Cost

With features traditionally designed for core and distribution switches, the UNIVERGE CX-FH5610E provides the reliability and stability required for converging applications at the fraction of the cost of similar switches.

This unique method of developing core features closer to the access layer is another method of NEC's innovative engineering designed to address customers' different needs for convergence or IP telephony deployment for more efficient communications.

Optimized Bandwidth & Performance

Like other UNIVERGE CX products, the CX-FH5610E is designed to provide low latency, optimum throughput and high bandwidth performance for all different types of high usage devices (Access Switches & Servers). Its advanced QoS features and non-blocking architectural hardware design enable the convergence and aggregation of access switches and/or servers at Gigabit speeds without comprising the overall network performance.

Access with Security

NEC's UNIVERGE philosophy of convergence entails that new technologies are deployed without compromising security. The UNIVERGE CX-FH5610E Switch is no exception with support of multi-layer access lists.

Easier Management

With enhanced features, the CX-FH5610E is optimized with several management options. By supporting SNMP, CLI and Web Interface, management is enhanced and simplified.

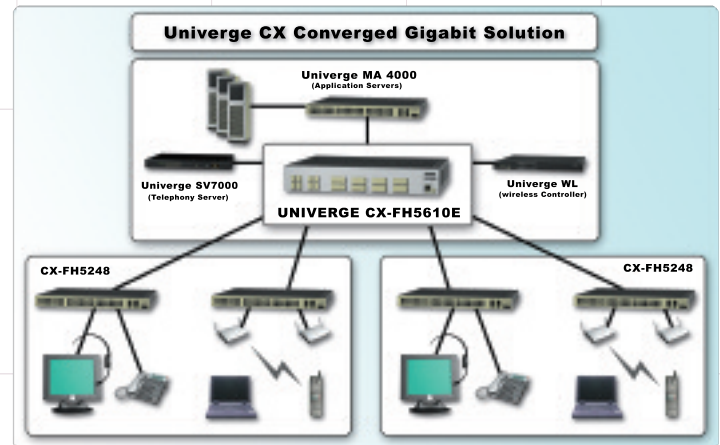


UNIVERGE CX-FH5610E Multi-Layer

Convergence for Data, Voice, Video and Wireless

Overview

- Up to 12 Gigabit Ethernet slots (GBIC)
- Full and Half duplex with flow control
- 24 Gbps (bi-directional) non-blocking switch fabric architecture
- 802.1Q Tagged VLAN Support; up to 4094 VLANs per device
- Layer 2 Bridging & Spanning Tree Support (802.1d/s/w STP, MSTP & RSTP)
- Layer 3 Routing with Static, & Dynamic Routing Protocols
- Layer 2 & 3 QoS support with 8 levels of priority queues
- Link Aggregation (IEEE 802.3ad): up to 32 groups of up to 4 ports/group
- Layer 2 & 3 Multicast support with IGMP & PIM
- Broadcast & Multicast Storm Control Support
- Security with Layer 2, 3 & 4 Access Control Lists
- Console port for diagnostics, setup and management
- Web and Command-Line Management Interface
- SNMP, RMON and Syslog Support



CX-FH5610E Technical Specifications

Interfaces	12 x 1000BASE-X (GBIC slot)	Layer 2 Bridging & Mirroring	STP IEEE 802.1d, 802.1s & 802.1w Port Mirroring: Single/Multiple
Flow Control	Back Pressure & IEEE 802.3x	Humidity	Operating: 90% (non-condensing)
QoS	- 8-Level QoS queues, - 802.1p, port, ToS/DSCP & Protocol - WRR & SP Queuing Algorithm - Bandwidth Control & Shaping, - Broadcast/Multicast Storm Control	SNMP	- Bridge MIB (RFC 1493) - MIB-II (RFC 1213) - RIPv2-MIB (RFC 1724) - OSPF-MIB (RFC 1850) - RMON 4 Groups (RFC 2819) - NEC MIBs
VLAN (max. 4094)	802.1Q Tag, Port, & Protocol-based GVRP Dynamic VLAN, SuperVLAN	Power	Voltage: 100V~240V / 50/60 Hz Consumption: < 60W
Layer 3 Routing	Static, RIPv2, OSPFv2, Policy & VRRP	Safety & Emissions	UL 60950, FCC Part 15, Class A VCCI, Class A ITE
Link Aggregation	- Max 32 Trunks (4 ports/Group) - IEEE 802.3ad - Spanning Tree Protocol Support - L2/L3 Load Sharing	Management	- Web*, CLI, Telnet & SNMP - TFTP & FTP Upgrade - SNMP Server & Client - DHCP Server & Relay
Multicast	- IGMP (v1/v2) Snooping, PIM SM	Temperature	Operating: 0~40 °C / 32~104 °F Storage: 0~ 50 °C / 32~122 °F
Security	- Layer 2, 3 & 4 IP Access Lists	Physical & Ordering Information	<u>Dimensions:</u> (mm): 442 W x 360 D x 66.7 H (in): 17.40 W x 14.17 D x 2.63 H Weight: 4 Kg / 8.82 lbs <u>Part Number:</u> 0362034 - CX-FH5610E Basic System

To find out more about the CX-FH5610E or to inquire about NEC's powerful and versatile data networking solutions, visit our website at www.necunifiedsolutions.com