

Access Switch Solution

E5224C/D

Features

- 24 ports 10/100/1000Base-T (Fixed)
- 2/4 Combo Ports (UTP/SFP)
- Power: 100~240 VAC / 50~60 Hz
- 56 Gbps Non-Blocking Switch Fabric
- 41.6 Mpps (E5224C)
- 38.6 Mpps (E5224D)
- 256MB Main Memory
- 128MB Flash Memory
- Max. 16K MAC Address Support
- 4K VLANs Support

E5224D →



E5224C →



System Overview

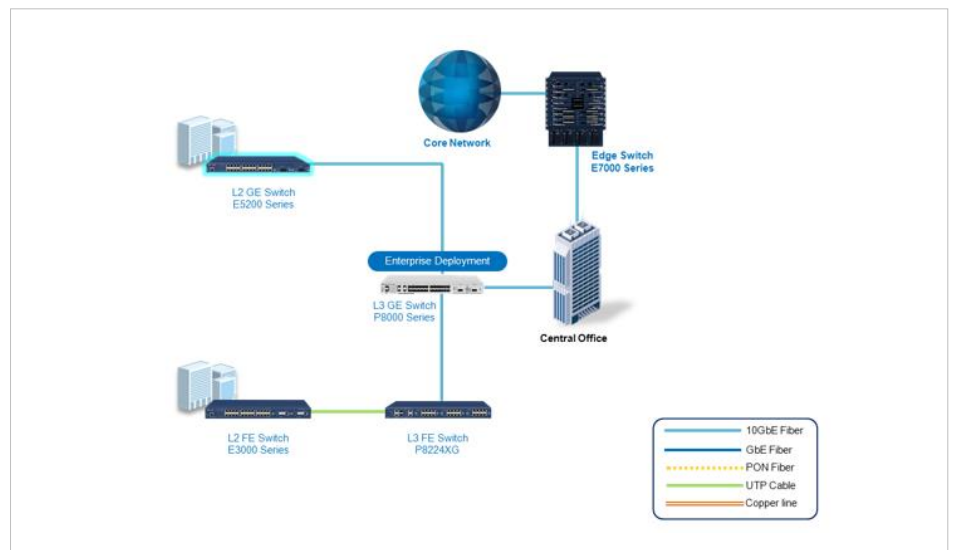
E5224 series is a Layer2 Gigabit Ethernet workgroup switch that provides Layer 2 Ethernet switching and high-speed high-capacity broadband multimedia service of up to 1Gbps and is applied in access areas of Active Ethernet network subscribers. Suitable for direct connection to a subscriber terminal or an aggregation switch, it provides high performance switching service, which can be implemented economically based upon 1000 Mbps link speed.

E5224 series can have up to twenty-four 1000base-T (UTP RJ-45) ports and support 1000Base-T or 1000Base-X as uplink. All ports of E5224 series switch support full duplex communication, allowing both directions of traffic to flow at the same time, so the link bandwidth extension is actually doubled.

Besides the LAN switching functions, E5224 series also provides QoS and multicasting and has increased the level of security with 802.1x. Also, all ports support wire speed.

E5224 series supports hardware-based bandwidth management and Quality of Service functionality, which enable corporate users and ISPs to provide differentiated internet services in the environment of next generation network.

Deployment Diagram



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Specification

HW Specification

System Architecture & Console

- Down Link :
 - 24Port 10/100/1000Base-T
- UP Link :
 - E5224C : 4 Port 1G UTP/SFP Combo
 - E5224D : 2 Port 1G UTP/SFP Combo
- RJ-45 type RS-232C Serial port (RJ-45 type)

Memory

- 256MB Main Memory
- 128MB Flash Memory

Physical Dimension

- 19" Rack Mount Type, 1RU
- 437mm (W) x 260mm (D) x 44mm (H)

Environment Condition

Power

- 100~240 VAC / 50~60 Hz

Power consumption

- Max. 22W (E5224C) / 20W (E5224D)

Operating Temperature

- 0°C~ 50°C (-20~60°C)

Storage Temperature

- -30 ~ 70°C

Performance

Switch Fabric Performance

- 56 Gbps non-blocking

Throughput

- 41.6 Mpps (E5224C)
- 38.6 Mpps (E5224D)
- Wire speed L2 Switching

IPv6

- H/W based supported

Capacity

MAC Address

- Up to 16K MAC Management

VLAN

- Up to 4K VLAN (VLAN ID range 1~4094)
- 802.1Q Taged Vlan (Max 256 Tag Vlan)
- 802.1ad Q-in-Q, Link Aggregation (802.3ad LACP)

Services and features

Filtering, Security & QoS

- IEEE 802.1p QoS, Diff-serv support, Congestion Management

- Filtering: Mac address, Netbios, NBT, TCP Sync cookies, TCP RST-UNKNOWN, Martian-Filter, DHCP, Specific IP checking control, IP Packet filtering, IP collision detection, IP Sub-network bandwidth blocking function
- Virus Filtering : DoS prevention, Warm virus Filtering
- Vista LLTD blocking function, ARP spoofing blocking function
- Abnormal SRC MAC blocking (00:00:00:00:00:00, ff:ff:ff:ff:ff:ff, 01:00:5e:xx:xx:xx, CPU MAC)
- Subscriber Traffic control by ACLs (Access Control Lists)
- Queue : 8 numbers, SPQ, WRR, SPQ+WRR
- Classification (physical port, MAC, VLAN, COS, Ether Type, DSCP, TOS, PROTOCOL NO, IP, L4 PORT NO)
- Marking & ReMarking, COS, DSCP
- Traffic Storm Control
- Port Blocking, Port Security

Management

- SNMP v1/v2/v3, RMON, MIB-I/II, Remote S/W Upgrade, Telnet, TFTP, FTP, Port Mirroring, SSH, CLI, Syslog, Control function on administrator's authorization
- RADIUS, TACACS+

Functions

- IEEE 802.1X, STP(802.1D), RSTP(802.1w), MSTP(802.1s),
- 802.3, Fast Ethernet (802.3u), Giga Ethernet(802.3z), 802.3X
- IEEE 802.1AB LLDP
- DHCP relay/DHCP snooping, DHCP option 82
- Storm-control (L2DLF, Broadcast, Multicast),
- NTP (Network Time protocol) Client
- Jumbo Frame packet support : 9022byte

Multicasting Protocol

- IGMPv1/v2 snooping, IGMP snoop querier,
- IGMP Report Suppression, IGMP Static Join

ubiQuoss

Seamless Network Solution

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Many Experience of System Deployment