Dell PowerConnect 6224P Series, 24 Port Gigabit POE, SFP+ Ethernet Network Switch (2x Uplink Bays up to 10G)

Model: C5N4W

Manufacturer: DELL

Product Code: 8572

R25,286.42 ~~R26,436.18~~

- Key Features: Port Attributes 24 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports 4 SFP combo ports for fiber media support 10 Gigabit Ethernet uplink modules (optional) 48Gbps Stacking module (optional) Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX Port mirroring Flow-based port mirroring Broadcast storm control Performance Switch Fabric Capacity 136 Gb/s Forwarding Rate 95 Mpps Up to 8,000 MAC Addresses 256MB of CPU SDRAM 32MB of Flash Memory Availability Spanning Tree (IEEE 802.1D) and Rapid

Spanning Tree (IEEE 802.1w) with Fast Link Support Multiple spanning trees (IEEE 802.1s) Supports Virtual Redundant Routing Protocol (VRRP) External redundant power support with PowerConnect EPS-470 (sold separately) Cable diagnostics Optical transceiver diagnostics Layer 3 Routing Protocols Static routes Routing Information Protocol (RIP) v1/v2 Open Shortest Path First (OSPF) v1/v2/v3 Classless Inter-Domain Routing (CIDR) Internet Control Message Protocol (ICMP) ICMP Router Discover Protocol (IRDP) Virtual Redundant Routing Protocol (VRRP) Address Resolution Protocol (ARP) Internet Group Management Protocol (IGMP) v2 Distance-Vector Multicast Routing Protocol (DVMRP) DHCP – Helper/Relay Layer 3 Routing Performance Up to 128 RIP Routing Interfaces Up to 128 OSPF Routing Interfaces; up to128 OSPF Areas; up to 128 Routing Interfaces per OSPF Area; up to 32 routes for ECMP Routing; up to 2 next hops per ECMP Up to 128 VLAN Routing Interfaces Up to 256 Multicast Forwarding Entries Up to 896 ARP entries; Up to 512 NDP entries VLAN VLAN support for tagging and port-based as per IEEE 802.1Q Double VLAN tagging (QinQ) Up to 1024 VLANs supported Dynamic VLAN with GVRP support Voice VLAN support Quality of Service Layer 2 Trusted Mode (IEEE 802.1p tagging) Layer 3 Trusted Mode (DSCP) Layer 4 Trusted Mode (TCP/UDP) Advanced Mode using Layer 2/3/4 flow-based Policies, including metering/rate limiting, marking and bandwidth guarantees; up to 100 ACLs can be used for QoS flow identification via Class-maps 8 Priority Queues per Port Adjustable Weighted-Round-Robin (WRR) and Strict Queue Scheduling Port-based QoS Services Mode Flow-based QoS Services Mode Layer 2 Multicast Static IP Multicast Dynamic Multicast Support – 256 Multicast groups supported in IGMP Snooping IGMP snooping for IP multicast support IGMP Querier Protocol Independent Multicast (PIM-DM, PIM-SM) Security Options IEEE 802.1x based edge authentication -- supports single and multiple host access, guest access, voice authorization, and Microsoft Active Directory Switch access password protection User-definable settings for enabling or disabling Web, SSH, Telnet, SSL management access Port-based MAC Address alert and lock-down IP Address filtering for management access via Telnet, HTTP, HTTPS/SSL, SSH and SNMP RADIUS and TACACS+ remote authentication for switch management access Up to 100 Access Control Lists (ACLs) supported; up to 12 Access Control Entries (ACEs) per ACL SSLv3 and SSHv2 encryption for switch management traffic Management access filtering via Management Access Profiles Other Switching Features Link Aggregation with support for up to 18 static aggregated links, 8 dynamic aggregated links per switch and up to 8 member ports per aggregated link. Support for unicast NLB (multicast NLB not supported) Management Web-based management interface Industry-standard CLI accessible via Telnet or Local Serial Port SNMPv1, SNMP v2c and SNMPv3

supported 4 RMON groups supported (history, statistics, alarms and events) TFTP transfers of firmware and configuration files Dual Firmware images on-board Multiple Configuration file upload/download supported Statistics for error monitoring and performance optimization including port summary tables BootP/DHCP IP address management supported Syslog remote logging capabilities Temperature sensors for environmental monitoring Chassis 440 x 387 x 43.2 mm (W x D x H) 44 cm (17.3") x 39 cm (15.2") x 4 cm (1.7") 1U, rack-mounting kit included Approximate weight (without modules): 6224 – 5.54 kg, 12.2lbs Approximate weight (with modules): 6224 – 5.70 kg, 12.6lbs Hardware 256MB of CPU SDRAM 32MB of Flash Memory MIB Support RFC 1213 MIB II RFC 1215 Standard Traps RFC 1286 Bridge MIB RFC 1442 SMIv2 (SNMPv2 MIB) RFC 1451 Manager-to-Manager MIB RFC 1492 TACACS+ RFC 1493 Definitions of Managed Objects for Bridges RFC 1573 Evolution of Interfaces RFC 1643 Etherlike MIB RFC 1757 Remote Network Monitoring (RMON) MIB RFC 1907 SNMP v2 MIB RFC 2011 Internet Protocol (IP) MIB using SMIv2 RFC 2012 Transmission Control Protocol (TCP) MIB using SMIv2 RFC 2013 User Datagram Protocol (UDP) MIB using SMIv2 RFC 2233 Interfaces Group using SMIv2 RFC 2618 RADIUS MIB RFC 2665 Ethernet-like Interface Types MIB RFC 2666 Identification of Ethernet Chip sets RFC 2674 MIB for Bridge with Traffic Classes, Multicast Filtering and VLAN Extension (IEEE802.1p/q MIB) RFC 2737 ENTITY-MIB RFC 2819 RMON MIB RFC 2863 Interface Evolution Standards Supported IEEE 802.1AB IEEE 802.1D IEEE 802.1Q IEEE 802.1p IEEE 802.1w IEEE 802.1x IEEE 802.2 IEEE 802.3 IEEE 802.3I IEEE 802.3u IEEE 802.3x IEEE 802.3z IEEE 802.ab IEEE 802.3ac IEEE 802.3ad IEEE 802.3ae IEEE 802.3ak Peripherals Power: RPS-600 Redundant Power Supply (listed under non-PoE models) EPS 470 Redundant Power Supply (listed under PoE models) Dual Port 10Gb Modules (Up to Two Modules per Switch): CX-4 Module XFP Module 10GBase-T Option Module (Limit one per switch) SFP+ Option Module Stacking Module with 1 Meter Dell Stacking Cable Transceivers: 1Gb SFP Optical Transceiver, 1000BASE-SX, LC Connector 1Gb SFP Optical Transceiver, 1000BASE-LX, LC Connector 10Gb XFP Optical Transceiver, SR, LC Connector 10Gb XFP Optical Transceiver, LR, LC Connector 10Gb SFP+ Optical Transceiver, SR, LC Connector 10Gb SFP+ Optical Transceiver, LR, LC Connector 10Gb SFP+ Optical Transceiver, LRM, LC Connector (Release early 2009) Environmental Operating Temperature: 0º C to 45º C Storage Temperature: -20º C to 70º C Operating Relative Humidity: 10% to 90% non-condensing Storage Relative Humidity: 10% to 95% non-condensing Power 100-240VAC, 50-60Hz Optional Redundant power through RPS-600

- Warranty: 1 Year