

Przełączniki POE- Przełączniki typu Switch Juniper EX2300-24P **-ilość 12 szt.**

Wymogi:

Sprzęt musi być nowy, z gwarancją 24miesiące

montaż w szafie rack (1U)

nie większe niż 44.20 x 4.50 x 30 cm

4x sfp uplink ports

24x 10/100/1000BASE-T connector type RJ-45

praca w warstwach L2, L3 na podstawowej licencji

minimalna prędkość przełączania w L2 41.5 Mpps

minimalna przepustowość 56Gbps

minimalna ilość obsługi adresów mac 8000

minimalna ilość obsługi vlan 1024

Wparcie dla standardów:

RFC 2925 MIB for remote ping, trace

RFC 1122 Host requirements

RFC 768 UDP

RFC 791 IP

RFC 783 Trivial File Transfer Protocol (TFTP)

RFC 792 Internet Control Message Protocol (ICMP)

RFC 793 TCP

RFC 826 ARP

RFC 894 IP over Ethernet

RFC 903 Reverse ARP (RARP)

RFC 906 TFTP bootstrap

RFC 1027 Proxy ARP

RFC 2068 HTTP server

RFC 1812 Requirements for IP Version 4 routers

RFC 1519 Classless Interdomain Routing (CIDR)

RFC 1256 IPv4 ICMP Router Discovery (IRDP)

RFC 1058 RIP v1

RFC 2453 RIP v2

RFC 1492 TACACS+

RFC 2138 RADIUS authentication

RFC 2139 RADIUS accounting

RFC 3579 RADIUS Extensible Authentication Protocol (EAP) support for 802.1X• RFC 5176

Dynamic Authorization Extensions to RADIUS

RFC 2267 Network ingress filtering

RFC 2030 Simple Network Time Protocol (SNTP)

RFC 854 Telnet client and server

RFC 951, 1542 BootP

RFC 2131 BOOTP/DHCP relay agent and DHCP server

RFC 1591 Domain Name System (DNS)

RFC 2474 DiffServ Precedence, including 8 queues/port

RFC 2598 DiffServ Expedited Forwarding (EF)

RFC 2597 DiffServ Assured Forwarding (AF)

LLDP Media Endpoint Discovery (LLDP-MED), ANSI/TIA-1057,

Wsparcie dla bezpieczeństwa:

- MAC limiting
- Allowed MAC addresses—configurable per port
- Dynamic ARP inspection (DAI)
- Proxy ARP
- Static ARP support
- DHCP snooping
- IP source guard
- 802.1X port-based
- 802.1X multiple supplicants
- 802.1X with VLAN assignment
- 802.1X with authentication bypass access (based on host MAC address)• 802.1X with VoIP VLAN support
- 802.1X dynamic ACL based on RADIUS attributes
- 802.1X Supported EAP types: Message Digest 5 (MD5), Transport Layer Security (TLS), Tunneled Transport Layer Security (TTLS), Protected Extensible Authentication Protocol (PEAP)
- Access control lists (ACLs)
- Port-based ACL (PACL)
- VLAN-based ACL (VACL)
- Router-based ACL (RACL)
- ACL counter for denied packets
- ACL counter for permitted packets
- Ability to add/remove/change ACL entries in middle of list (ACL editing)
- L2-L4 ACL
- Static MAC authentication
- MAC-RADIUS
- Control plane DoS protection

Zarządzanie:

- ASCII configuration
- Rescue configuration
- Configuration rollback
- Image rollback
- Simple Network Management Protocol (SNMP): v1, v2c, v3
- Remote monitoring (RMON) (RFC 2819) Groups 1, 2, 3, 9
- Network Time Protocol (NTP)
- DHCP server
- DHCP client and DHCP proxy
- DHCP relay and helper
- RADIUS authentication
- TACACS+ authentication
- SSHv2
- Secure copy
- HTTP/HTTPS
- DNS resolver
- Syslog logging
- Temperature sensor
- Configuration backup via FTP/secure copy
- CLI via console, telnet, or SSH
- Diagnostics: Show and debug command statistics
- Traffic mirroring (port)

Traffic mirroring (VLAN)

ACL-based mirroring

Mirroring destination ports per system: 1

LAG port monitoring

Multiple destination ports monitored to 1 mirror (N:1)

Maximum number of mirroring sessions: 1

Mirroring to remote destination (over L2): 1 destination VLAN

IP tools: Extended ping and trace

Layer 2 QoS

Layer 3 QoS