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Refurbished CISCO WS-SUP32-GE-3B Datasheet

CISCO > INTERFACES-MODULES

Cisco Network Modules

Features and Benefits of Supervisor Engine 32

Features	Benefits
Identity-based networking services with IEEE 802.1x: • VLAN ID assignment • Security ACL assignment • QoS policy assignment • Unidirectional controlled port for "wake-on-LAN" applications • Authentication identity-to-port description mapping • Domain Name System (DNS) resolution for RADIUS server configuration	Allows close control over which users can access the network and what privileges they are granted
Intrusion detection and spoofing protection mechanisms: • DHCP snooping, dynamic ARP inspection, IP source guard-Cisco Catalyst 6500 Security Toolkit • CPU rate limiting • Control Plane Policing • Port-based ACLs • User-based rate limiting • Hardware-based MAC learning • Cisco Catalyst 6500 IDS module • Broadcast and multicast suppression • Port Security on Access, 802.1Q Trunks and 802.1Q Tunneling ports	Provides local containment of security threats and protects networks against security vulnerabilities, including malicious and inadvertent intrusion
Hot-Swapping of Standby Supervisor Engines • Layer 2 rapid convergence protocol suite includes: · IEEE 802.1s, multiple spanning trees · IEEE 802.1w, rapid reconfiguration of spanning tree · Per-VLAN rapid spanning tree (PVRST) • Hardware redundancy with subsecond stateful failover and Layer 2 resiliency through 802.1x high availability • Fault management: · Fault detection and troubleshooting · System health check · Enhanced memory protection · Proactive detection and prevention of network equipment failures using GOLD	Ensures business continuity through minimizing network downtime for mission-critical applications
Switched Port Analyzer (SPAN), Remote SPAN (RSPAN)	Enables remote troubleshooting from anywhere, reducing troubleshooting time and tool costs
Two USB 2.0 ports (hardware ready, software support post-first customer shipment [FCS])	Enables direct access from laptops for network management, simplifies software downloading using USB memory devices, and enhances security by enabling USB keys on console port to limit access to authorized personnel
ACE counters	Identifies frequency that specific ACL entries are hit for ease of management
Cisco SmartPort macros, config rollback, and switch profiles	Simplifies operational complexity
SNMPv3, SSH Protocol Version 2, Secure Copy Protocol (SCP)	Provides secure management
Multicast capabilities: • Hardware-based multicast • Bidirectional Protocol Independent Multicast (PIM) • Internet Group Management Protocol (IGMP) Querier • Router-port Group Management Protocol (RGMP), Multiprotocol Border Gateway Protocol	Enables efficient video broadcasting, e-learning, and information sharing

(MBGP) • PIM SM, PIM SSM and PIM snooping • IGMP version 3	
Integrated high-density uplinks-eight Gigabit Ethernet SFP-based ports or two 10-Gigabit Ethernet XENPAK-based ports	Increases uplink density and saves slots to deploy integrated service modules or higher-density chassis
Backward compatibility-supports all Cisco Catalyst 6500 classic and Cisco Express Forwarding 256-based modules and services modules; supported in all Cisco Catalyst 6500 Series and Cisco 7600 Series Router chassis	Allows deployment of new advanced services on existing equipment, prolonging the deployment lifetime of interface modules and providing greater return on investment
Advanced QoS uses packet classification and marking and congestion avoidance based on Layer 2-4 header information • User-based rate limiting enforces any of 64 policy rates, maintaining service-level agreements on a per-user basis independent of traffic type or IP address • QoS scheduling rules with thresholds can be configured in the switch for multiple receive and transmit queues	Superior traffic management enables efficient handling of converged networks that carry a mix of mission-critical, time-sensitive, and bandwidth-intensive multimedia applications
Hardware-enabled MPLS-Enables use of VPNs and Layer 2 tunneling while improving traffic engineering for QoS and adding multiprotocol support • Hardware-enabled IPv6-Expands available IP addresses, enabling better address allocation and address aggregation and supporting greater end-to-end connectivity and services • Hardware-enabled GRE tunnels for IP traffic • NAT (hardware ready, software support post-FCS)-Translates addresses for inbound and outbound traffic in hardware, allowing clean separation between internal and external networks	Advanced Layer 2-4 forwarding enables service providers and enterprises to build feature-rich networks

Cisco Catalyst 6500 Series/Cisco 7600 Series Supervisor Engine 32 Part Numbers

Description	Cisco Catalyst 6500 Series/Cisco 7600 Series Supervisor Engine 32 with 8 ports Gigabit Ethernet, PFC3B, and MSFC2A

The next steps...

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