| DATASHEET

WD Enhanced Series Switch

WatchDog Enhanced Gigabit Access Switches

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Product Overview

WD enhanced Series Switch – A simple (fixed power design), cost-effective and easy to deploy access switching solution that offers enhanced security, high-density GE uplinks, static route, RIP, OSPF, SDN and VSS enabled, flexible management, which meet the requirements for SME access, enterprise desktop access and high-density campus access.

WD enhanced series Ethernet switch includes the following models:

WD-GS-8G4S: 8*10/100/1000BASE-T Ports, 4*1000BASE-X SP Ports, (AC)

WD-GS-8G4XS: 8*10/100/1000BASE-T Ports, 2*1000BASE-X SP Ports, 2*1G/10GBASE-X SP Plus Ports, (AC)

WD-GS-8P4S: 8 x 10/100/1000BASE-T PoE Plus Ports, 4 x 1000BASE-X SP Ports, Fanless, AC)

WD-GS-16G4S: 16*10/100/1000BASE-T Ports and 4*1000BASE-X SP Ports,(AC)

WD-GS-16G4X: 16*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SP Plus Ports, (AC)

WD-GS-16P4S: 16*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SP Ports,(AC)

WD-GS-16P4X: 16*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SP+ Ports,(AC)

WD-GS-24P4S: 24 x 10/100/1000BASE-T PoE Plus Ports, 4 x 1000BASE-X SP Ports, (AC)

WD-GS-24G4S: 24 x 10/100/1000BASE-T Ports, 4 x 1000BASE-X SP Ports, Fanless, (AC);

WD-GS-24G4O: 24 x 10/100/1000BASE-T Ports, 4 x 1G/10GBASE-X SP Plus Ports, Fanless, (AC)

WD-GS-24P4C4O: 24*10/100/1000BASE-T PoE Plus Ports, 4*100/1000BASE-X SP Combo Ports, 4*1G/10GBASE-X SP Plus Ports, (AC)

WD-GS-48G4S: 48 x 10/100/1000BASE-T Ports, 4 x 1000BASE-X SP Ports, Fanless, (AC);

WD-GS-48G4OS: 48*10/100/1000BASE-T Ports, 4*1G/10G BASE-X SP Plus Ports, (AC)

WD-GS-48P4S: 48*10/100/1000BASE-T PoE Plus Ports, 4*1G BASE-X SP Plus Ports, (AC)

WD-GS-48P4O: 48*10/100/1000BASE-T PoE Plus Ports, 4*1G/10GBASE-X SP Plus Ports, (AC)

WD-GS-8G4S

WD-GS-8G4XS

WD-GS-8P4S

WD-GS-16G4S

WD-GS-16G4X

WD-GS-16P4S

WD-GS-16P4X

WD-GS-24G4O

WD-GS-24G4S

WD-GS-24G4O

WD-GS-24P4C4O

WD-GS-48G4S

WD-GS-48G4OS

WD-GS-48P4OS

WD-GS-48P4OS

Features

Software Defined Network (SDN)

Software Defined Network (SDN) is an innovative network architecture that simplifies network management and reduces maintenance complexity by separating network control layer and network forwarding layer through Openflow. More importantly, it implements flexible network flow control and provides a well-defined network platform for core network application and innovation.

The WD enhanced series switch supports a large network flow table. Combined with WD SDN controller, it can easily implement a two-layer network architecture and quickly add functions in existing network in order to drastically reduce network management complexity while substantially lowers network maintenance cost.

VSS (Virtual Switching System)

The WD enhanced series switch supports VSS technology that connects multiple physical devices (up to 9) to a logical device, that is to say, users can manage and use these devices as a single device. VSS can bring thefollowing benefits to the user:

- **Simplify the management:** Any one of the ports can be connected to any of the devices to login to a unified logical device, and to manage the whole system and all the members of the system through the configuration of a single device, without the physical connection to each member of the device.
- **High scalability:** With VSS, plug-n-play device aggregation can be achieved by adding one or more switches into the VSS stack and enabling VSS stacking on the new device. New devices can be managed with a single IP, and upgraded at the same time to reduce network expansion cost.
- **High reliability:** VSS patented 1: N standby technology allows each slave device in the VSS stack to serve as the backup of the master, creating control and data link redundancy, as well as uninterrupted layer-3 forwarding. This improves the reliability, avoids unplanned business downtime and serves to improve overall performance. When the master device fails, traffic remains uninterrupted.
- **Load balancing:** VSS supports cross-device link aggregation, upstream and downstream can be connected to more than one physical link, which creates another layer of network redundancy and boosts the network resource utilization.
- **Availability:** WD Implements VSS through standard Gigabit Ethernet (1GE) ports ports which allocates bandwidth for business and application access and reasonably splits local traffic and upstream traffic.

Comprehensive Security Control

WD enhanced series switch supports innovative single-port multi-authentication function, the access authentication modes supported by different clients are different. For example, some clients can only perform MAC addresses Authentication (such as the printer terminal), and some user host for 802.1X authentication, and some user hosts only want to access through the Web portal authentication. In order to flexibly adapt to the multi-authentication requirements of the network environment, the WD enhanced

switch series support single-port multi-authentication unified deployment.

WD enhanced series switch supports SSH V2 (Secure Shell V2) to secure information security, and strong authentication protect the Ethernet network switch from attacks such as IP address spoofing and clear text interception.

ARP attack and ARP virus are major threats to LAN security, so the WD enhanced switch series comes with diverse ARP protection functions such as ARP Detection to challenge the legitimacy of client, validate the ARP packets, and set a speed limit for ARP to prevent ARP swarm attacks from targeting CPU.

WD enhanced series switch supports EAD (End User Admission Domination) function. With the NMC (intelligent Management Centre) system, EAD integrates terminal security policies, such as anti-virus and patch update, network access control and access right control policies to form a cooperative security system. By checking, isolating, updating, managing, and monitoring access terminals, EAD changes to passive mode, single point network protection to active, comprehensive network protection, and changes separate management to centralized management, enhancing the network capability for preventing viruses, worms, and new threats.

High Availability

WD enhanced series switch features multiple redundancy measures at the device and link levels, support current and voltage surge control, overheat protection, power and fan troubleshooting and alert, as well as fan speed adjustment when the temperature changes.

Apart from device level redundancy, WD enhanced series switch also provides diverse link redundancy support such as LACP/STP/RSTP/MSTP/Smart Link protocols. It supports VSS and 1: N redundancy backup as well as cross-device link aggregation which substantially increases network reliability.

Abundant QoS

WD enhanced series switch supports packet filtering at Layer 2 through Layer 4, and traffic classification based on source MAC addresses, destination MAC addresses, source IP addresses, destination IP addresses, TCP/UDP port numbers, protocol types, and VLANs. It supports flexible queue scheduling algorithms based on ports and queues, including strict priority (SP), weighted round Robin (WRR) and SP+WRR. The WD enhanced switch series enables committed access rate (CAR) with the minimum granularity of 8 kbps. It supports port mirroring in the outbound and inbound directions, to monitor the packets on the specific ports, and to mirror the packets to the monitor port for network detection and troubleshooting.

Professional Surge Protection Function

WD enhanced series switch uses professional built-in surge protection technology and supports the industry-leading 10KV service port surge protection capability, which greatly reduces the damage rate of surge strikes to equipment even in harsh working environments.

Excellent Manageability

WD enhanced series switch makes switch management with ease with the support of SNMPv1/v2/v3, which can be managed by NM platforms, such as Open View and NMC. With CLI and Telnet switch management is made easier. And with SSH 2.0 encryption, switch management security is enhanced.

Fast PoE, Perpetual PoE

Fast PoE: Typically, PIs (power interface) does not deliver power to PDs (powered device) the moment the PSE (power sourcing equipment) is powered on but wait until the PSE completes startup. Fast PoE enables PIs to deliver power to PDs within few seconds after power is supplied to the PSE.

Perpetual PoE: Perpetual PoE continuously monitors the PD states and ensures continued power supply to PDs even when the PSE device is hot rebooting.

Green Design

The WD enhanced series switch implements a variety of green energy saving features, including auto-power- down (port automatic energy saving), if the interface status has been down for a period of time, the system automatically stops the interface power and the system enters power-saving mode. They also support EEEenergy feature, by which if a port stays idle for a period of time, the system will set the port to energy- saving mode. The WD enhanced switch series is also compliant with material environmental protection and the EU RoHS safety standard.

The WD enhanced switch series 24-port (WD-GS-24G4S) and 48-port (WD-GS-48G4S) switches are fanless design, significantly reduce devices power consumption and noise.

Hardware Specifications

Features	WD-GS-8G4S	WD-GS- 8G4XS	WD-GS-8P4S	WD-GS-16G4S	WD-GS-16G4X
Port Switching Capacity	24Gbps	60Gbps	24Gbps	40Gbps	112Gbps
Forwarding Capacity	18Mpps	45Mpps	18Mpps	30Mpps	83Mpps

Features	WD-GS-8G4S	WD-GS-8G4XS	WD-GS-8P4S	WD-GS-16G4S	WD-GS-16G4X
System Switching Capacity	336Gbps				
CPU	Dual Core, 1.2MHz				
Flash	512MB				
SDRAM	1G				
Dimensions(W x D x H)	266 × 161 × 44mm	266 × 161 × 44mm	266 × 161 × 44mm	330 × 230 × 44mm	440 × 160 × 44mm
Weight	≤ 1.1KG	≤ 1.1KG	≤1.5kg	≤2.0kg	≤1.8kg
10/100/1000 Base-T port	8	8	8	10	16
SP port	4	2	4	-	-
SP Plus port	-	2	-	4	4
Console Ports	1	1	1	1	1
Management Ethernet Ports	1	1	1	1	1
Maximum Stacking Bandwidth	8Gbps	20Gbps	8Gbps	8Gbps	40Gbps
Maximum Stacking Num	9	9	9	9	9
Input Voltage	AC:90V~264V				
Idle power consumption (30% of traffic load, tested according to ATIS standard)	Single AC: 5W	Single AC: 5W	Single AC: 8W	Single AC: 7W	Single AC: 6W
Max. power Consumption (100% throughput, full speed of fans)	Single AC: 11W	Single AC: 16W	Single AC: 150W (PoE: 125W)	Single AC: 19W	Single AC: 17W
Fan NUM	Fanless	Fanless	Fanless	Fanless	Fanless
MTBF(Year)	141	141	92	141	145
MTTR(Hour)	1		1	1	1
Operating Temperature	-5℃ ~ 50℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)				
Storage Temperature	-40℃ ~ 70℃				

Features	WD-GS-8G4S	WD-GS-8G4XS	WD-GS-8P4S	WD-GS-16G4S	WD-GS- 16G4X
Operating & Storage Relative Humidity (Noncondensing)	5% ~ 95%				

Hardware Specifications (continued)

Features	WD-GS-16P4S	WD-GS-16P4X	WD-GS-24P4S	WD-GS-3728	WD-GS-24G4O
Port Switching Capacity	40Gbps	112Gbps	56Gbps	56Gbps	128Gbps
Forwarding Capacity	30Mpps	83Mpps	42Mpps	42Mpps	95Mpps
System Switching Capacity	336Gbps				
CPU	Dual Core, 1.2MHz				
Flash	512MB				
SDRAM	1G				
Dimensions(W x D x H)	330 × 230 × 44mm	440 × 260 × 44mm	440 × 260 × 44 mm	440 × 160 × 44 mm	440 × 160 × 44 mm
Weight	≤2.3kg	≤3.6kg	≤3.6kg	≤2.5kg	≤2.0kg
10/100/1000 Base-T port	16	16	24	24	24
SP port	4	-	4	4	-
SP Plus port	-	4	-	-	4
Console Ports	1	1	1	1	1
Management Ethernet Ports	1	1	1	1	1
Maximum Stacking Bandwidth	8Gbps	40Gbps	8Gbps	8Gbps	40Gbps
Maximum Stacking Num	9	9	9	9	9
Input Voltage	AC:90V~264V	AC: 90V~290V	AC: 90V~290V	AC:90V~264V	AC:90V~264V
Idle power consumption (30% of traffic load, tested according to ATIS standard)	Single AC: 11W	Single AC: 25W	Single AC: 27W	Single AC: 6W	Single AC: 16W

Features	WD-GS-16P4S	WD-GS- 16P4X	WD-GS-24P4S	WD-GS-3728	WD-GS-24G4O
Max. power Consumption (100% throughput, full speed of fans)	Single AC: 295W (POE: 248W)	Single AC: 317W (POE: 248W)	Single AC: 319W (POE: 248W)	Single AC: 18W	Single AC: 21W
Fan NUM	1	1	1	Fanless	Fanless
MTBF(Year)	71	112	111.9	122.1	122.1
MTTR(Hour)	1	1	1	1	1
Operating Temperature	-5℃ ~ 55℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)				
Storage Temperature	-40℃ ~ 70℃				
Operating & Storage Relative Humidity (Noncondensing)	5% ~ 95%				

Hardware Specifications（continued）

Features	WD-GS-24P4C4O	WD-GS-48G4S	WD-GS-8G4OS	WD-GS-48P4X	WD-GS-48P4X
Port Switching Capacity	128Gbps	104Gbps	176Gbps	176Gbps	176Gbps
Forwarding Capacity	95Mpps	78Mpps	131Mpps	131Mpps	131Mpps
System Switching Capacity	336Gbps				
CPU	Dual Core, 1.2MHz				
Flash	512MB				
SDRAM	1G				
Dimensions(W x D x H)	440 × 260 × 44 mm				
Weight	≤3.6kg	≤3.5kg	≤3.6kg	≤4.1kg	≤4.2kg
10/100/1000 Base-T port	24	48	48	48	48
SP port	4	4	-	-	-
SP Plus port	4	-	4	4	4
Console Ports	1	1	1	1	1

Features	WD-GS- 24P4C4O	WD-GS- 48G4S	WD-GS-48G4OS	WD-GS- 48P4X	WD-GS- 48P4X
Management Ethernet Ports	1	1	1	1	1
Maximum Stacking Bandwidth	40Gbps	8Gbps	40Gbps	40Gbps	40Gbps
Maximum Stacking Num	9	9	9	9	9
Input Voltage	AC: 90V~290V	AC:90V~264V	AC:90V~264V	AC: 90V~290V	AC: 90V~290V
Idle power consumption (30% of traffic load, tested according to ATIS standard)	Single AC: 35W	Single AC: 13W	Single AC: 13W	Single AC: 29W	Single AC: 35W
Max. power Consumption (100% throughput, full speed of fans)	Single AC: 964W(POE: 770W)	Single AC: 37W	Single AC: 42W	Single AC: 512W (POE: 390W)	Single AC: 969W (POE: 770W)
Fan NUM	2	Fanless	Fanless	2	2
MTBF(Year)	59.2	114.7	114	58.2	58.2
MTTR(Hour)	1	1	1	1	1
Operating Temperature	-5℃ ~ 50℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)				
Storage Temperature	-40℃ ~ 70℃				
Operating & Storage Relative Humidity (Noncondensing)	5% ~ 95%				

Software Specifications

Feature	WD enhanced switch series
Port aggregation	GE port aggregation Dynamic aggregation Static aggregation Cross-device aggregation

Feature	WD enhanced switch series
Broadcast/Multicast/Unicast storm suppression	Storm suppression based on port bandwidth percentage Storm suppression based on PPS Storm suppression based on BPS Broadcast traffic/Multicast traffic/Unknown unicast traffic suppression
VSS	Distributed device management, distributed link aggregation, and distributed resilient routing Stacking through standard Ethernet interfaces Local device stacking and remote device stacking
MAC address table	Static MAC address Blackhole MAC address
VLAN	Port-based VLAN MAC-based VLAN Protocol-based VLAN QinQ and selective QinQ VLAN mapping Voice VLAN Private VLAN Dynamic VLAN Guest VLAN GVRP LLDP/LLDP-MED
DHCP	DHCP Client DHCP Snooping DHCP Snooping option82 DHCP Relay DHCP Server DHCP auto-config
IP routing	Static routing RIPv1/v2 and RIPng OSPFv1/v2 and OSPFv3 Inter-VLAN routing Dynamic ARP inspection
Multicast	IGMP Snooping V2/V3 MLD Snooping

Feature	WD enhanced switch series
	Multicast VLAN
Layer 2 ring network protocol	STP/RSTP/MSTP/PVST/PVST+ BPDU/root/TC-BPDU/PVST BPDU guard Smart Link RRPP G.8032 ERPS (Ethernet Ring Protection Switching)
ACL	Packet filtering at Layer 2 through layer 4 Traffic classification based on source MAC addresses, destination MAC addresses, source IPv4/IPv6 addresses Time range-based ACL VLAN-based ACL Bidirectional ACL
QoS	Port rate limit (receiving and transmitting) Packet redirection Committed access rate (CAR) Eight output queues on each port Flexible queue scheduling algorithms based on ports and queues, including SP, WRR and SP+WRR 802.1p DSCP remarking IPv4 and IPv6 Class of Service (CoS)
Traffic Statistic	Sflow
Forwarding	Wire-speed/Line-rate architecture Hardware-based Forwarding
Mirroring	Port mirroring N:1 Traffic Mirroring N:1 RSPAN
Security	Hierarchical user management and password protection User-based authentication AAA authentication support RADIUS authentication HWTACACS SSH2.0 SCP Port isolation 802.1X authentication, centralized MAC authentication

Feature	WD enhanced switch series
	Port security CPU protection IP Source Guard HTTPs EAD
Management and maintenance	Loading and upgrading through XModem/FTP/TFTP Multiple Images Stored Zero Touch Provisioning Configuration through CLI, Telnet, and console port SNMPv1/v2c/v3 and Web-based NMS SNMP for IPv6 Restful Python Remote monitoring (RMON) alarm, event, history, and recording NMC NMS System log, alarming based on severities, and output of debugging information MDI/MDIX (medium-dependent interface/MDI crossover) NTP Ping, Tracert Virtual cable test (VCT) Device link detection protocol (DLDP) Loopback-detection
EMC	FCC Part 15 Subpart B CLASS A VCCI CLASS A CISPR 32 CLASS A EN 55032 CLASS A CISPR 35 EN 55035 EN 61000-3-2 EN 61000-3-3
Safety	EN 62368-1-14 IEC 62368-1 EN 62368-1 EN 60825-1 RoHS

Performance Specification

Entries	WD enhanced series switches
MAC address entries	16K
VLAN	4096 (VLAN 0 and 4095 are reserved)
Active VLAN	4094
VLAN interface	32
IPv4 routing entries	3000
IPv4 ARP entries	2048
IPv4 ACL entries	1024
IPv6 unicast routing entries	750
IPv6 ACL entries	1024
IPv6 ND entries	750
Multicast L2 entries	999
Jumbo frame length	10000
QOS forward queues	8
MAX num in one link group	8
Link group num	124
Multicast Group	500
Groups of RMON	4

Standards and Protocols Compliance

Organization	Standards And Protocols
IEEE	802.1x Port based network access control protocol
	802.1ab Link Layer Discovery Protocol
	802.1ak MVRP and MRP
	802.1ax Link Aggregation
	802.1d Media Access Control Bridges
	802.1p Priority
	802.1q VLANs
	802.1s Multiple Spanning Trees
	802.1ag Connectivity Fault Management
	802.1v VLAN classification by Protocol and Port
	802.1w Rapid Reconfiguration of Spanning Tree
	802.3ad Link Aggregation Control Protocol
	802.3af Power over Ethernet
	802.3at Power over Ethernet
	802.3bt Power over Ethernet
	802.3az Energy Efficient Ethernet
	802.3ah Ethernet in the First Mile
	802.3x Full Duplex and flow control
	802.3z 1000BASE-SX,1000BASE-LX
	802.3u 100BASE-T
	802.3ab 1000BASE-T
IETF	RFC 768 User Datagram Protocol (UDP)
	RFC 791 Internet Protocol (IP)
	RFC 792 Internet Control Message Protocol (ICMP)
	RFC 793 Transmission Control Protocol (TCP)
	RFC 813 Window and Acknowledgement Strategy in TCP
	RFC 815 IP datagram reassembly algorithms
	RFC 8201 Path MTU Discovery for IP version 6

Organization	Standards And Protocols
	RFC 826 Address Resolution Protocol (ARP)
	RFC 879 TCP maximum segment size and related topics
	RFC 896 Congestion control in IP/TCP internetworks
	RFC 917 Internet subnets
	RFC 919 Broadcasting Internet Datagrams
	RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)
	RFC 951 BOOTP
	RFC 1027 Proxy ARP
	RFC 1122 Requirements for Internet Hosts - Communications Layers
	RFC 1213 MIB-2 Stands for Management Information Base
	RFC 1215 Convention for defining traps for use with the SNMP
	RFC 1256 ICMP Router Discovery Messages
	RFC 1350 TFTP Protocol (revision 2)
	RFC 1393 Traceroute Using an IP Option
	RFC 1519 Classless Inter-Domain Routing (CIDR)
	RFC 1542 BOOTP Extensions
	RFC 1583 OSPF Version 2
	RFC 1591 Domain Name System Structure and Delegation
	RFC 1757 Remote Network Monitoring Management Information Base
	RFC 1772 Application of the Border Gateway Protocol in the Internet
	RFC 1812 Requirements for IP Version 4 Router
	RFC 1918 Address Allocation for Private Internet
	RFC 2131 Dynamic Host Configuration Protocol (DHCP)
	RFC 2132 DHCP Options and BOOTP Vendor Extensions
	RFC 2273 SNMPv3 Applications
	RFC 2328 OSPF Version 2
	RFC 2375 IPv6 Multicast Address Assignments
	RFC 2401 Security Architecture for the Internet Protocol
	RFC 2402 IP Authentication Header
	RFC 2460 Internet Protocol, Version 6 (IPv6) Specification

Organization	Standards And Protocols
	RFC 2464 Transmission of IPv6 over Ethernet Networks
	RFC 2576 (Coexistence between SNMP V1, V2, V3)
	RFC 2579 Textual Conventions for SMIv2
	RFC 2580 Conformance Statements for SMIv2
	RFC 2711 IPv6 Router Alert Option
	RFC 2787 Definitions of Managed Objects for the Virtual Router Redundancy Protocol
	RFC 2925 Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations
	RFC 3101 OSPF Not-so-stubby-area option
	RFC 3046 DHCP Relay Agent Information Option
	RFC 3056 Connection of IPv6 Domains via IPv4 Clouds
	RFC 3137 OSPF Stub Router Advertisment sFlow
	RFC 3416 (SNMP Protocol Operations v2)
	RFC 3417 (SNMP Transport Mappings)
	RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)
	RFC 3484 Default Address Selection for IPv6
	RFC 3509 Alternative Implementations of OSPF Area Border Routers
	RFC 3580 IEEE 802.1X Remote Authentication Dial In User Service (RADIUS) Usage Guidelines
	RFC 3623 Graceful OSPF Restart
	RFC 3768 Virtual Router Redundancy Protocol (VRRP)
	RFC 4022 MIB for TCP
	RFC 4113 MIB for UDP
	RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
	RFC 4251 The Secure Shell (SSH) Protocol
	RFC 4252 SSHv6 Authentication
	RFC 4253 SSHv6 Transport Layer
	RFC 4254 SSHv6 Connection
	RFC 4291 IP Version 6 Addressing Architecture
	RFC 4292 IP Forwarding Table MIB
	RFC 4293 Management Information Base for the Internet Protocol (IP)

Organization	Standards And Protocols
	RFC 4419 Key Exchange for SSH
	RFC 4443 ICMPv6
	RFC 4541 IGMP & MLD Snooping Switch
	RFC 4552 Authentication/Confidentiality for OSPFv3
	RFC 4750 OSPFv2 MIB partial support no SetMIB
	RFC 4861 IPv6 Neighbor Discovery
	RFC 4862 IPv6 Stateless Address Auto-configuration
	RFC 4940 IANA Considerations for OSPF
	RFC 5095 Deprecation of Type 0 Routing Headers in IPv6
	RFC 5187 OSPFv3 Graceful Restart
	RFC 5340 OSPFv3 for IPv6
	RFC 5424 Syslog Protocol
	RFC 5798 VRRP (exclude Accept Mode and sub-sec timer)
	RFC 5880 Bidirectional Forwarding Detection
	RFC 5905 Network Time Protocol Version 4: Protocol and Algorithms Specification
	RFC 6987 OSPF Stub Router Advertisement
	RFC 5280 Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile
	RFC 5381 Experience of Implementing NETCONF over SOAP

Ordering Information

Product ID	Product Description
WD-GS-8G4S	WD-GS-8G4S L2 Ethernet Switch with 8*10/100/1000BASE-T Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-8G4XS	WD-GS-8G4XS L2 Ethernet Switch with 8*10/100/1000BASE-T Ports, 2*1000BASE-X SP Ports, and 2*1G/10GBASE-X SP+ Ports,(AC)
WD-GS-8P4S	WD-GS-8P4S L2 Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-16G4S	WD-GS-16G4S L2 Ethernet Switch with 16*10/100/1000BASE-T Ports and 4*1000BASE-X SP Ports,(AC)

WD-GS-16G4X	WD-GS-16G4X L2 Ethernet Switch with 16*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SP+ Ports,(AC)
WD-GS-16P4S	WD-GS-16P4S L2 Ethernet Switch with 16*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-16P4X	WD-GS-16P4X L2 Ethernet Switch with 16*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SP+ Ports,(AC)
WD-GS-24P4S	WD-GS-24P4S L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-3728	WD-GS-3728 L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-24G4O	WD-GS-24G4O L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SP+ Ports,(AC)
WD-GS-48G4S	WD-GS-48G4S L2 Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1000BASE-X SP Ports,(AC)
WD-GS-48G4X	WD-GS-48G4OS L2 Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SP+ Ports,(AC)
WD-GS-48P4X	WD-GS-48P4X L2 Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SP+ Ports,(AC)
WD-GS-48P4X	WD-GS-48P4X L2 Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SP+ Ports,(AC)

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