



# L3 SERIES SWITCH 10GE

The background of the slide features a network diagram with nodes and connecting lines. A prominent blue banner with a white border is positioned in the upper right, containing the title. The overall design is modern and technical.

# Product Overview

WDGS-24G40 & WDGS-1608C40 lite L3-Series is a next-generation aggregation 10 GE switch introduced by WatchDog. It is targeted at the IP MAN (metropolitan area network), government and enterprise networks, Internet café and disk-less working environment. It is developed on the basis of high performance hardware and a software platform. It supports functions such as powerful ACL, flexible QinQ, 1:1 or N:1 VLAN switching, Ethernet OAM, carrier-level QoS and industry-level 10GE Ether-ring, ensuring this switch series meets application requirements in all kinds of complicated sites. It also supports layer-3 routing protocol.

# Product Specification

ITEM		WDGS-24G40	WDGS-1608040
INTERFACE		24 GE TX 4 10GE/GE SFP	16 100/1000m SFP 8 GE SFP/TX COMBO 410GE/GE SFP+
CONSOLE(RJ45)		1	1
BACKPLANE(GBPS)		12 B	128
FORWARDING RATE (MPPS WITH 64 BYTES)		96	96
CHASSIS	DIMENSIONS (WXDXH)(MM)	440X180X44	440X280X44
	WEIGHT(KG)(EMPTY)	2.6	4
PACKAGE	DIMENSIONS (WXDXH)(MM)	500X320X80	555X295X88
	WEIGHT(KG)	3.9	5.2
POWER CONSUMPTION	NO-LOAD	<22W	<18W
	FULL-LOAD	35W	<38W
POWER SUPPLY	AC:100V-240V, 50-60HZ	45W	45W
POE POWER BUDGE		/	/
TOTAL OUTPUT BTU (1000BTU/H=293W)		153.58	153.58
FAN NUMBER		/	2
NOISE@25°C(DBA)		0	45
MTBF(H)		<50,000	< 50,000
FORWARDING MODE		STOVE-FORWARD	STOVE-FORWARD
FLASH (MB)		32	32
DRAM (MB)		256	256
MAC		16K	16K
BUFFER SIZE(MB)		1.5	1.5
INTERFACE VLAN		64	64
ROUTING TABLE		2040	2040
JUMBO FRAME		9K	9K

# Product Specification

## VLAN

- 4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN, Voice-VLAN

## Spanning Tree

- 802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
- BPDU guard, root guard and loopback guard

## Multicast

- IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP, filter

## IP

- Static route, RIP, OSPF
- IPv4/v6 dual stack

## Ipv6

- ICMPv6, DHCPv6, ACLv6 and Ipv6 Telnet
- Ipv6 neighbor discovery, Path MTU discovery
- MLD v1, MLD snooping
- Ipv6 Static Routing, RIPng, OSPFv3
- Manual tunnel, ISATAP tunnel, 6 to 4 tunnel.

## Certification

- CE, FCC, RoHS

## QoS

- CAR, HQoS, MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based QoS, 8021P/ DSCP priority re-labeling, SP, WRR, and "SP+WRR", and traffic shaping

## Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC Sticky DAI & IP Source guard PPPoE+
- IEEE 802.1x AAA, Radius and BDTacacs+
- L2/L3/L4 ACL flow identification and filtration Anti-Attack from DDoS, TCPs SYN Flood, UDP Flood, etc. Broadcast/multicast/unknown unicast storm-control
- Md5, SHA-256, RSA-1024, AES256, etc.

## DHCP

- DHCP server/realy/client
- DHCP snooping/option82

## Reliability

- Static/LACP link aggregation, Interfoc backup
- EAPS and ERPS
- ISSU uninterrupted system upgrade
- BVSS, ups to 16-units per stack
- VRRP
- UDLD

## Management

- Console, Telnet, SSH v1/2, HTTP, HTTP SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP (Zero Touch Provisioning)
- SPAN, RSPAN
- Dying gasp\*

## Accessories

- Power cord, rackmount kits, console cable

## Environment

- Operating temperature/humidity: -20°C-65°C, 10%-90%
- Storage temperature/humidity: -20°C-70°C, 5%-95% non-condensing

## Product Features

Item	Description
<b>Lite-L3 Series Switch</b>	
WDGS-24G40	Ethernet Layer-3 lite switch with 24GE and 410GE ports(1 Console port, 24GE TX ports, 410GE/GE SFP + ports, 100 to 240 VAC input, 60 HZ, fanless, 1U, standard 19-inch rack-mounted installation)
WDGS-1608C40	Ethernet Layer-3 lite switch with 24 GE and 4 10GE/GE SFP+ ports (1 console port, 16 100M/1000M SFP ports, 8GE SFP/TX combo ports, 4 10GE/GE SFP+ ports; 100 to 240 VAC input, 60 HZ, the cooling fan, 1U, standard 19 inch rack-mounted installation)