



**DIGISOL™**

# DG-CS4616F Lite Layer 3 Managed Switches



## ■ Overview

DG-CS4616F is L3 Gigabits intelligent switch designed for carrier and MAN networks. This supports comprehensive QoS, enhanced VLAN functions (VLAN VPN, Voice VLAN, QinQ, N:1 VLAN Translation etc), Ethernet Ring Protection Protocol (G.8032), classified bandwidth control, intelligent security control, OAM(Operations, Administration and Maintenance), manageability functions and Triple-Play services which fulfill the network requirements demanded by carrier network, MAN access. DG-CS4616F switch offers green features like IEEE 802.3az (Energy Efficient Ethernet), Fan-less design and Smart Fan feature, which can dramatically lower power consumption, achieve green energy and save the cost for the carrier and MAN users..

## Specifications

### ✚ DG-CS4616F

Item	DG-CS4616F
Management Port	1 Console port
Ports	16 x 10GbE(SFP+)
Performance	
Switching Capacity	320G
Forwarding Rate	238Mpps

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All specifications are subject to change without further notice. All features with \* mark will be available by firmware upgrade.



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Item	DG-CS4616F
MAC ADDRESS	16K
Jumbo Frame	9K
ACL Table	1k
Route Table IPv4 / IPv6 shared	64 / 64
Queues per port	8
VLAN TABLE	4K
Physical	
Dimension(WxHxD)	440mm x 44mm x 240mm
weight	3.1kg±0.1kg
Power Input	AC: 100~240VAC, 50~60Hz DC: Input -48V ~ -60V
Power Consumption	23.7W
Temperature	Working 0°C~50°C, Storage -40°C~70°C
Relative Humidity	5%~95%,non-condensing
EMC safety	CE, RoHS
<b>Main Features</b>	
Forwarding	Storage and Forwarding
VLAN	Port-based VLAN IEEE802.1Q private VLAN Protocol VLAN Voice VLAN MAC VLAN Normal QinQ, Selective QinQ, Flexible QinQ VLAN Translation, N:1 VLAN Translation
DHCP	IPv4/IPv6 DHCP Client,IPv4/IPv6 DHCP Relay Option 82,Option 37/38 IPv4/IPv6 DHCP Snooping,IPv4/IPv6 DHCP Server

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Item		DG-CS4616F
IP Routing		IP Routing and Static Route, RIP
Reliability	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard, BPDU Guard, BPDU Forwarding Multi-Process MSTP
	LACP	128 groups per device/8 ports per group Load balance
	L2 Ring Protection	MRPP ITU-T G.8032 Loopback Detection Fast Link
	Multi-link Backup	Enhanced Multi-VLAN subnet Traffic Engineering (ULPP+ULSM)
	VSF	Virtual Switch Framework
Security		IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL Time Range ACL ACL on VLAN interface Storm Control based on packets and bytes Port Security, MAC Limit based on VLAN and Port Anti-ARP-Spoofing , Anti-ARP-Scan, ARP Binding ND Snooping DAI IEEE 802.1x, Web Portal Authentication, Authorization, Accounting Radius, TACACS+
Multicast		IGMP v1/v2/v3 snooping, IGMP Fast leave MVR MLD v1/v2 snooping IPv4/IPv6 DCSCM(D)
QoS		8 Queues Per Port Bandwidth Control Flow Redirect Classification based on ACL, VLAN ID, COS, TOS, DSCP, IPv6 Flow Label Policing Based on Port and VLAN



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Item	DG-CS4616F
	Single Rate Three Colors, Dual Rates Three Colors for Policing Remark DSCP, COS/802.1p, Precedence, TOS SP, WRR, SWRR, DWRR for Scheduling
Maintenance and Operation Management	XModem/TFTP/FTP CLI, Telnet, Console Web/SSL (IPv4/IPv6) SSH (IPv4/IPv6) SNMPv1/v2c/v3 SNMP Trap Public & Private MIB interface RMON 1,2,3,9 Ping, Trace Route Radius Authentication Syslog (IPv4/IPv6) SNTP/NTP (IPv4/IPv6) Dual IMG, Multiple Configuration Files Port Mirror, CPU Mirror, RSPAN, ERSPAN sFlow OAM EFM; OAM CFM* Dying GASP VCT, DDM ULDP(like Cisco UDLD) LLDP/LLDP MED OpenFlow 1.0, support open controller Opendaylight, Floodlight, Ryu, Pox, etc.
Green Energy	IEEE 802.3az (Energy Efficient Ethernet) Auto Fan Speed Control, Temperature Alarm (S5750E-28P and S5750E-28X has no fans) LED Shut-off

## ■ Ordering information

Product	Description
DG-CS4616F	L3 Switch with 16 10GbE (SFP+) ports, 100-240VAC + 48VDC Power Input

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