New Firmware Upgrade Procedure

Note: If the device is with old firmware as follows, please follow up the upgrade procedure to upgrade to the latest firmware.

Model	Old F/W	The latest F/W
DGS-1216T	V4.00.xx, V4.10.xx	V4.21.01
DGS-1224T	V4.00.xx ,V4.10.xx	V4.21.01
DES-1228	V1.00.xx	V1.11.01
DES-1252	V1.00.xx	V1.11.01
DES-1228P	V1.00.xx, V1.10.xx,	V1.31.01
	V1.20.xx	

Upgrade Procedure:

User has to upgrade **three** different firmware files (FWU.hex, WSSldr.hex, FWN.hex) in order to accomplish new firmware upgraded. Please find the firmware file in the attached file as below.

File Requirement :

	-	
General Name	DGS-1216T v.D1/D2	DGS-1224T v.D1/D2
FWU.hex	1216TFWU.hex	1224TFWU.hex
WSSldr.hex	1216Tldr.hex	1224Tldr.hex
FWN.hex	DGS-1216T_DX_42101.hex	DGS-1224T_DX_42101.hex
Firmware		
File	DGS-1216T_DX_4_ 21 01.zip	DGS-1224T_DX_4_ 21 01.zip
	21_01.mp	21_01;mp

General Name	DES-1252 v.A1	DES-1228 v.A1
FWU.hex	1252FWU.hex	1228FWU.hex
WSSldr.hex	1252ldr.hex	1228ldr.hex
FWN.hex	DES-1252_A1_11101.hex	DES-1228_A1_11101.hex
Firmware File		Ser .
1 110	DES-1252_A1_1_11 _01.zip	DES-1228_A1_1_11 _01.zip

General	DES-1228P v.A1/A2
Name	
FWU.hex	1228PFWU.hex
WSSldr.hex	1228Pldr.hex
FWN.hex	DES-1228P_A1&A2_13101.hex

Firmware	DES-1228P_A1&A2
File	_1_3101.zip

Users can upgrade firmware either through SmartConsole Utility or Web GUI, please follow up the steps as follows.

1. Upgrade firmware through SmartConsole Utility (Please refer to below step. i-xi)

D D-Link Smart Console	e Utility	_	_	_	_	_	- ×
	\bigcirc	•••	🥶 📀			<u> </u>	Discovery
🔅 Utility Settings	Monitor	IP Address	MAC Address	Protocol Version	Product Name	System Name	DHC
🔚 Log							
📑 Trap							
💾 File							
🖉 Help							
	<u> </u>						
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							►

i. Execute smart console utility

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Monito	r IP Address	MAC Address	Protocol Version	Product Name	System Name
	192.168.0.1	001955099475	2.001.003	DES-1228	
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E-					
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ii. Click Discovery button to search target switch

iii. By single click the icon of Monitor column to choose the target switch

D -Link Smart Consol	e Utility		_	_	_	_	- ×
	\odot		😥 👩			<u> </u>	Discovery
🔅 Utility Settings	Monitor	IP Address	MAC Address	Protocol Version	Product Name	System Name	DHC
🔄 Log	~	192.168.0.1	001956099475	2.001.003	DES-1228		disat
📑 Trap	<u> </u>]
	<u> </u>						
File							
🂐 Help							
	<u> </u>						
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iv. Click firmware upgrade button

D -Link Smart Console U		
	9 🗄 🚺 🤣 🚳	Discovery
	onitor IP Address MAC Address Protocol Version Product Name System Name	DHC
🖹 Log 🗹		disat
🖃 Trap	D Firmware Upgrade	- 1
File	Device Information Device IP 192.168.0.1	
A Help	Device Mac 00195b099475	
Ē	Upgrade Setting Firmware Path	
E	Upgrade State	
	Confirm Password	-
-	The second secon	- 1
•		

v. Click Browse button to search fwu.hex firmware file from user's local PC

D D-Link Smart Consc	ole Utility	- ×
	📀 🕒 🕥 😔 🐼	- + Q Discovery
🔅 Utility Settings	Monitor IP Address MAC Address Protocol Version Product Name Sy	stem Name DHC
🍢 Log	92.168.0.1 001956099475 2.001.003 DES-1228	disat
🚽 Trap	D Firmware Upgrade – X	
File	Device Information Device IP 192.168.0.1 Device Mac 00195b099475	
	Upgrade Setting Firmware Path	
	Upgrade State	
	Confirm Password	
	Upgrade Cancel	

D-Link Smart Console	e Utility					- X
	00	i 🌚 🚳			– + Q	Discovery
🔅 Utility Settings	Monitor IP Address	MAC Address	Protocol Version	Product Name	System Name	DHC
🚼 Log	192.168.0.1	001955099475	2.001.003	DES-1228		disat
📑 Trap	Open				<u>1</u>	2×
	Look jn: 📔	DES-1228_A1_1_10	_11	- 🗧 🔁	* 🎫 •	
File		1228FWU.hex				
🂐 Help		1228ldr.hex DES-1228_A1_11011.	hav			
	Documents	DED-1220_M1_11011.	nex.			н
						- 1-1
	Desktop					
						н
	My Documents					
						н
	My Computer					- 1-1
	My Network File	name: 1228	FWU.hex		▼ <u>D</u> pen	
	Places	of <u>t</u> ype: hex F	ile (*.hex)	-	- Cance	

vi. Enter password and click "Upgrade" button to start firmware upgrade

D Firmware Upg	rade – 🗙
Device Inform Device IP Device Mac	ation 192.168.0.1 00195b099475
Upgrade Settin Firmware Path	ng I:\DES-1228_A1_1_10_1: Browse
Upgrade State	
Confirm Passwo	rd ***** Upgrade Cancel

D D-Link Smart Consol							- ×
D D-Link Smart Consol	e Utility						
	\odot	•	🥶 🚳			- + Q	Discovery
🔅 Utility Settings	Monitor	IP Address	MAC Address	Protocol Version	Product Name	System Name	DHC
🔚 Log	~	192.168.0.1	00195b099475	2.001.003	DES-1228		disat
📑 Trap							
💾 File							
🍳 Help		D Infor	mation		×		
		- 🔃	Firmware upgr	ade successful			
				ОК			
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vii. Once the message popped up, clicking "OK" button to complete firmware upgrade

viii. Repeat step.i ~ step.vii, but choose ldr.hex to upgrade in step.v

Vility Settings Open Look, jr, OES-1228_A1_1_0_11 Look, jr, OES-1228_A1_1_10_11 Image: Computer Description Im	D D-Link Smart Console Utility		
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Iog Look jr: DES-1228_A1_10_11 Image: Cook jr: disat Image: Cook jr: Image: Cook jr:			21x1 DHC
File My Recent Documents Desktop My Documents My Documents My Computer My Network My Network Places File name: 1228Idt.hex	😂 Log	DES-1228_A1_1_10_11	disat
Places	File My Recent Documents Desktop My Documents	🖬 1228ldr.hex	
Files of type: hex File I^ hex	My Network Places	-	
		Files or type: [hex File (".hex]	

ix. Repeat step.i ~ step.vii , and choose the following .hex (DGS-1216T_DX_4xxxx.hex, DGS-1224T_DX_4xxxx.hex, DES-1252_A1_1xxxx.hex, DES-1228_A1_1xxxx.hex, DES-1228P_A1&A2_1xxxx.hex) to upgrade in step.v

D D-Link Smart Console Utility			- ×
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Utility Settings		·	<u>?</u> × DHC
Dpen	DES-1228_A1_1_10_11	- ← 🗈 💣 Ⅲ-	disat
Trap File Wy Recent Documents Desktop Desktop My Documents My Documents	1228FWU.hex 1228Idr.hex DES-1228_A1_11011.hex		
My Network Places	File name: DES-1228_A1_11011.hex Files of type: hex File (".hex)	▼ <u>D</u> p ▼ Car	

- 2. Upgrade firmware through Web GUI (Please refer to below step. i-vi)
 - i. Open Web GUI , clicking tool and selecting Firmware Backup &

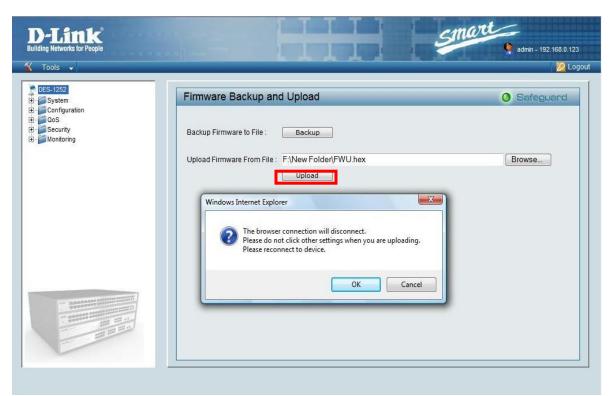
Upload

		2 LC
Device Information		O Safeguard
Device Type	DE9 1252	
	and the second	
	0.0.0	
	Energy and the second	
	and the second	
802.1x Status	Disabled Settings	
	Device Information Device Type Firmware Version Protocol Version MAC Address DHCP Client IP Address Subnet Mask Default Gateway Safeguard Engine Trap IP System Name System Location Login Timeout (minutes) System Up Time 802.1D Spanning Tree Port Mirroring Broadcast Storm Control IGMP Snooping SNMP Status 2004 cr. bateus	Device Type DES-1252 Firmware Version 1.00.10 Protocol Version 2.001.003 MAC Address 00-40-f4-82-16-8e DHOP Client Disabled <u>Settings</u> IP Address 192.168.0.52 Subnet Mask 255.255.255.0 Default Gateway 192.168.0.254 Safeguard Engine Enabled <u>Settings</u> Trap IP 0.0.0 System Name System Name System Location 5 Login Timeout (minutes) 5 System Up Time 0 days 1 hours 3 mins 36 seconds 802.1D Spanning Tree Disabled <u>Settings</u> Port Mirroring Disabled <u>Settings</u> IGMP Snooping Disabled <u>Settings</u> SNMP Status Disabled <u>Settings</u>

ii. Click browse button and search fwu.hex firmware file from local user's PC

-1252 Organize ▼ IIII Vie	ws 🔻 📑 Ne	w Folder	_		0	
ystem onfigura loS eeurity fontorins Computer Documents Pictures Nusic Recently Changed Searches Public	Name FWN.ht FWU.ht WSSIdr	x	Туре	Size		Browse
	ne: FWU.hex		÷	All Files (*.*) Open	Cancel	

iii. Click Upload button to start upgrade firmware



- iv. Wait for firmware upgrade complete then the device will reboot automatically
- v. Repeat step.i ~ step.iv , but choose ldr.hex in step.ii

Choose file					×
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🕒 Organize 👻 🏭 Views	👻 📑 Nev	v Folder			0
Favorite Links	Name FWN.hex FWU.hex		Туре	Size	
Folders	WSSIdr.hex		*	All Files (*.*) Open	Cancel

vi. Repeat step.i ~ step.iv , but choose the following .hex(DGS-1216T_DX_4xxxx.hex, DGS-1224T_DX_4xxxx.hex, DES-1252_A1_1xxxx.hex, DES-1228_A1_1xxxx.hex, DES-1228P_A1&A2_1xxxx.hex) in step.ii

Choose file					
Coor 🦉 « Removab	le Disk (F:) →	New Folder		earch	٩
🄄 Organize 👻 🎬 Views	👻 📑 Nev	v Folder	_		0
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 Desktop Recent Places Computer Documents Pictures Music Recently Changed Searches Public 	FWN.hex		,		
Folders ^					
File <u>n</u> ame:	FWN.hex		*	All Files (*.*)	Cancel