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	V4.20.11
DGS-1224T	V4.00.xx	V4.20.11
DES-1228P	V1.00.xx or	V1.30.08
	V1.10.xx or	
	V1.20.xx	
DES-1228	V1.00.xx	V1.10.08
DES-1252	V1.00.xx	V1.10.08

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_42010.hex	DGS-1224T_DX_42010.hex
Firmware		
File		

General Name	DGS-1228P v.A1	DGS-1228 v.A1
FWU.hex	1228PFWU.hex	1228FWU.hex
WSSIdr.hex	1228Pldr.hex	1228ldr.hex
FWN.hex	DES-1228P_A1_13008.hex	DES-1228_A1_11008.hex
Firmware		
File		

General Name	DGS-1252 v.A1
FWU.hex	1252FWU.hex
WSSldr.hex	1252ldr.hex
FWN.hex	DES-1252_A1_11008.hex
Firmware	
File	

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)

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i. Execute smart console utility

HAC Address	P Address	Protocol Version	Product Name	Sentern Name	DHCP
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ii. Click Discovery button to search target switch

iii. Double click target switch to add to monitor list



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	Upgrade fi	rmware		×	_]
•	Device	Information e IP 192.168.0. e Mac 0040f4821	52 c8e		Discover
S IP Address 192.168.0.52	Upgrade 00 Firmw Passv	a Setting rare Path		Browse	DHCP Lo disable
•	Upgra	de State	Ĺ	Cancel	
View t	rap			Add item	Delete item
Change settings	Change pa	issword Upgra	de firmware	Web access	DHCP Refresh

iv. Click firmware upgrade button

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

View Option	Islo				التطا الساي
- Discovered D	ovicos				
MAC Address	IP Address	Protocol Version	Product Name	System Name	DHCP Loc
 Monitor List — S IP Address 192.168.0.52 	Upgrade fi D Open Look in: i I FWN.hex FWU.hex WSSIdr.he File name: Files of type:	rmware New Folder Date modif Typ ex FWU hex File (".hex)	re Size	© È È ∭ ✓ Open Cancel Cancel	Z Discover Discover
O View t	rap			Add item	Delete item
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					Exit

new option	neip				
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Change settings	Change pa	ussword Upgra	ide firmware	Web access	DHCP Refresh
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vi. Enter password and click start button to start firmware upgrade

vii. Wait for firmware upgrade complete



View Option	Help				
- Discovered D	evices ———				
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Monitor List S IP Address 192.168.0.52	Upgrade fii Open Look in: Name FWN.hex FWU.hex WSSIdr.hee File name: Files of type: Files of type:	mware lew Folder Date modif Type x WSSldr hex File (*hex) Start	e Size	Dpen Cancel	Discover
View	uap			Add item	Delete item
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viii. Repeat step.i ~ step.vii, but choose WSSIdr.hex to upgrade in step.v

ix. Repeat step.i ~ step.vii , but choose fwn.hex to upgrade in step.v

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Change settings	Change p	assword Upg	rade firmware	Web access	DHCP Refresh
 Device Settin Change settings 	gs Change p	assword Upg	rade firmware	Web access	DHCP Refresh

2. Upgrade firmware through Web GUI (Please refer to below step. i-vi)

i. Open web GUI , clicking tool and choosing Firmware Backup & Upload

D-Littk Eng Hetworks for People			g admin - 192 168.0 1
Taols 🗸			<u>2</u> 1
Reset Config Backup & Restore Firmware Backup & Upload	Device Information		O Safeguard
QoS	Device Type	DES-1252	
Security	Finmware Version	1.00.10	
illonitoring	Protocol Version	2.001.003	
	MAC Address	00-40-f4-82-1c-Be	
	DHCP Client	Disabled Bettings	
	IP Address	192.168.0.02	
	Subnet Mask	255 255 255 0	
	Default Gateway	192.168.0.254	
	Safeguard Engine	Enabled Settings	
	Trap IP	0.0.0.0	
	System Name		
	System Location		
	Login Timeout (minutes)	5	
	System Up Time	0 days 1 hours 3 mins 36 seconds	
	802.1D Spanning Tree	Disabled Settings	
	Port Mirroring	Disabled Settings	
- BARRANA AND ADDRESS TO ADDRESS	Broadcast Storm Control	Disabled Settings	
N ANALY CONTRACTOR	IGMP Snooping	Disabled Settings	
And Barry	SNMP Status	Disabled Settings	
22	802.1x Status	Disabled Settings	

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

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Folders	Re name	PWU hex			All Files (1.7) Open	* Carcel	

iii. Click Upload button to start upgrade firmware

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Tools 👻		Log
DES.1007 Bysten Configuration Gas Becurity Becurity	Firmware Backup and Upload	Safeguard
	Backup Firmware to File : Backup	
	Upload Firmware From File : F:/New Folder/FWU.hex	Browse.
	The browser connection will disconnect. Please do not click other settings when you are uploading. Please reconnect to device.	
A DESCRIPTION OF A DESC	OK Cancel	

- iv. Wait for firmware upgrade complete then restart Web GUI
- v. Repeat step.i ~ step.iv , but choose WSSIdr.hex in step.ii



🏉 Choose file					×						
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🎍 Organize 👻 🎬 Views 👻 📑 New Folder 🕜											
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File <u>n</u> ame:	FWN.hex		*	All Files (*.*) Open	▼ Cancel						

vi. Repeat step.i ~ step.iv , but choose fwn.hex in step.ii