

## How to upload/download firmware/configuration on DGS-1210-10P/AX

### ● Download and Upload firmware:

<p><b>Command</b></p>	<p><b>CLI command:</b></p> <p><b>download</b> firmware <b>10.90.90.100</b> <b>DGS-1210-10P_A2_FW_v2.02.002.hex</b></p> <p><b>SNMP command:</b></p> <p>snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.1.0 <b>a 10.90.90.100</b>          1.3.6.1.4.1.171.10.76.12.3.2.0 <b>s DGS-1210-10P_A2_FW_v2.02.002.hex</b>          1.3.6.1.4.1.171.10.76.12.3.3.0 <b>i 1</b></p> <p><b>CLI command:</b></p> <p><b>upload</b> firmware <b>10.90.90.100</b> <b>123.hex</b></p> <p><b>SNMP command:</b></p> <p>snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.1.0 <b>a 10.90.90.100</b>          1.3.6.1.4.1.171.10.76.12.3.2.0 <b>s 123.hex</b> 1.3.6.1.4.1.171.10.76.12.3.3.0 <b>i 2</b></p>
<p><b>Example</b></p>	<p><b>Download firmware:</b></p> <pre>C:\Users\AaronPan&gt;snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.1.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.2.0 s DGS-1210-10P_A2_FW_v2.02.002.hex 1.3.6.1.4.1.171.10.76.12.3.3.0 i 1 SNMPv2-SMI::enterprises.171.10.76.12.3.1.0 = IPAddress: 10.90.90.100 SNMPv2-SMI::enterprises.171.10.76.12.3.2.0 = STRING: "DGS-1210-10P_A2_FW_v2.02.002.hex" SNMPv2-SMI::enterprises.171.10.76.12.3.3.0 = INTEGER: 1</pre> <p><b>Upload firmware:</b></p> <pre>C:\Users\AaronPan&gt;snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.1.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.2.0 s 123.hex 1.3.6.1.4.1.171.10.76.12.3.3.0 i 2 SNMPv2-SMI::enterprises.171.10.76.12.3.1.0 = IPAddress: 10.90.90.100 SNMPv2-SMI::enterprises.171.10.76.12.3.2.0 = STRING: "123.hex" SNMPv2-SMI::enterprises.171.10.76.12.3.3.0 = INTEGER: 2</pre> <p>Apr 22, 2013 14:41:16 10.90.90.90 6221776 Rcv of 123.hex done. 6221776 bytes in 80 secs.(75 KB/sec)</p>
<p><b>Explanation</b></p>	<p><b>a 10.90.90.200 = TFTP Server IP address</b></p> <p><b>i 1 = tftpFwTftpOperation, 1 means action "download".</b></p> <p><b>i 2 = tftpFwTftpOperation, 2 means action "upload"</b></p> <p><b>s DGS-1210-10P_A2_FW_v2.02.002.hex = the firmware name</b></p> <p><b>s 123.hex = the firmware name</b></p>
<p><b>SNMP OID</b></p>	<p><b>DGS-1210-10P-AX → companyTftpGroup</b></p> <p>tftpFwServerIpAddress 1.3.6.1.4.1.171.10.76.12.3.1</p> <pre>Object name      tftpFwServerIpAddress Object ID       1.3.6.1.4.1.171.10.76.12.3.1 Module         DGS-1210-10P_Ax  Base syntax     IP Address Composed syntax IPAddress Access         Read-Write Status         Current  Parent node     companyTftpGroup First child     None Description     The TFTP server's IP address is used to upload or                 download firmware.</pre>

### tftpFwImageFileName 1.3.6.1.4.1.171.10.76.12.3.2

Object name	tftpFwImageFileName
Object ID	1.3.6.1.4.1.171.10.76.12.3.2
Module	DGS-1210-10P_Ax
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Write
Status	Current
Value list	1 : 1..64
Parent node	companyTftpGroup
First child	None
Description	Configure firmware filename to download.

### tftpFwTftpOperation 1.3.6.1.4.1.171.10.76.12.3.3

Object name	tftpFwTftpOperation
Object ID	1.3.6.1.4.1.171.10.76.12.3.3
Module	DGS-1210-10P_Ax
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : none(0) 2 : download(1) 3 : upload(2)
Parent node	companyTftpGroup
First child	None
Description	The tftp operates to perform downloading the firmware image to the unit. This object is used in conjunction with configBootTftpServerIp and configBootImageFileName.

● Download/upload configuration:

<p><b>Command</b></p>	<p><b>CLI command:</b></p> <p>download configuration 10.90.90.100 config.bin startup</p> <p><b>SNMP command:</b></p> <p>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.5.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.6.0 s config.bin 1.3.6.1.4.1.171.10.76.12.3.7.0 i 1</p> <p><b>CLI command:</b></p> <p>upload cfg_toTFTP 10.90.90.100 config.bin config_id 1</p> <p><b>SNMP command:</b></p> <p>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.5.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.6.0 s config.bin 1.3.6.1.4.1.171.10.76.12.3.7.0 i 2</p>
<p><b>Example</b></p>	<p><b>Download configuration:</b></p> <pre>C:\Users\AaronPan&gt;snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.5.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.6.0 s config.bin 1.3.6.1.4.1.171.10.76.12.3.7.0 i 1 SNMPv2-SMI::enterprises.171.10.76.12.3.5.0 = IPAddress: 10.90.90.100 SNMPv2-SMI::enterprises.171.10.76.12.3.6.0 = STRING: "config.bin" SNMPv2-SMI::enterprises.171.10.76.12.3.7.0 = INTEGER: 1</pre> <p><b>Upload configuration:</b></p> <pre>C:\Users\AaronPan&gt;snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.76.12.3.5.0 a 10.90.90.100 1.3.6.1.4.1.171.10.76.12.3.6.0 s config.bin 1.3.6.1.4.1.171.10.76.12.3.7.0 i 2 SNMPv2-SMI::enterprises.171.10.76.12.3.5.0 = IPAddress: 10.90.90.100 SNMPv2-SMI::enterprises.171.10.76.12.3.6.0 = STRING: "config.bin" SNMPv2-SMI::enterprises.171.10.76.12.3.7.0 = INTEGER: 2</pre>
<p><b>Explanation</b></p>	<p>a 10.90.90.100 = TFTP Server IP address</p> <p>i 1 = tftpConfigTftpOperation, 1 means action "download".</p> <p>i 2 = tftpConfigTftpOperation, 2 means action "upload"</p> <p>s config.bin = configuration name</p>
<p><b>SNMP OID</b></p>	<p>DGS-1210-10P-AX → companyTftpGroup</p> <p>tftpCfgServerIpAddress 1.3.6.1.4.1.171.10.76.12.3.5</p> <pre>Object name      tftpCfgServerIpAddress Object ID       1.3.6.1.4.1.171.10.76.12.3.5 Module         DGS-1210-10P_Ax  Base syntax     IP Address Composed syntax IPAddress Access         Read-Write Status         Current  Parent node     companyTftpGroup First child     None Description     The TFTP server's IP address is used to upload or                 download configuration file.</pre>

### tftpConfigFileName 1.3.6.1.4.1.171.10.76.12.3.6

Object name	tftpConfigFileName
Object ID	1.3.6.1.4.1.171.10.76.12.3.6
Module	DGS-1210-10P_Ax
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Write
Status	Current
Value list	1 : 1..64
Parent node	companyTftpGroup
First child	None
Description	The configuration filename is used to store or retrieve conf from the tftp server.

### tftpConfigTftpOperation 1.3.6.1.4.1.171.10.76.12.3.7

Object name	tftpConfigTftpOperation
Object ID	1.3.6.1.4.1.171.10.76.12.3.7
Module	DGS-1210-10P_Ax
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : download(1) 2 : upload(2) 3 : progressing(3)
Parent node	companyTftpGroup
First child	None
Description	The tftp operates to perform either downloading the configuration file to the unit or uploading the current configuration file to the tftp server. This object is used in conjunction with configTftpServerIpAddress and configTftpServerFileName.

### tftpConfigTftpOperationStatus 1.3.6.1.4.1.171.10.76.12.3.8

Object name	tftpConfigTftpOperationStatus
Object ID	1.3.6.1.4.1.171.10.76.12.3.8
Module	DGS-1210-10P_Ax
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : none(0) 2 : success(1) 3 : fail(2) 4 : progressing(3)
Parent node	companyTftpGroup
First child	None
Description	The tftp operation status represent configuration file backu