List of Cisco RFGW-10 Commands

This chapter lists Cisco RFGW-10 commands. Table 2-1 contains the commands by functional group.

Cisco RFGW-10 Commands by Functional Group

The following table lists Cisco RFGW-10 commands by functional category. Each command references the page in Chapter 3 in which the command is described in detail.

Table 2-1 lists commands that relate to the Cisco RFGW-10 platform and not a particular feature or function.

Table 2-1   Cisco RFGW-10 Commands by Function

Command Name	Command Description
Bundled Image Upgrade	
cable image-upgrade disable	Disables the automatic image upgrade of the line card.
show cable image-upgrade bundle	Displays the upgraded images of all the devices on the Supervisor.
show cable image-upgrade status	Displays the upgrade status for a line card.
show cable image-upgrade version	Displays all the upgraded image versions on the line card.
DOCSIS Timing Interface (DTI)	
cable clock auto-revert	Sets the clock in auto-revert mode.
cable clock free-run	Allows the clock to be in free-run mode.
clear cable clock counters	Clears DTI client transition counters of a TCC DTI client and server.
show cable clock	Displays information about displaying Timing, Communication and Control (TCC) card DTI client and server statistic counts.
DOCSIS Timing Interface (DTI) Offset	
cable depi offset	Sets the DOCSIS timing offset on the QAM channel for a line card in DEPI mode.

Table 2-1   *Cisco RFGW-10 Commands by Function (continued)*

Command Name	Command Description
show cable depi-sessions offset	Displays the DTI timing value on the QAM channels.
Modular Cable Modem Termination System (M-CMTS)	
cable depi dest-ip	Configures Downstream External PHY Interface (DEPI) sessions manually on QAM line cards.
depi class	Creates a template of DEPI control plane configuration settings and enters DEPI class configuration mode.
depi tunnel	Creates a template of DEPI tunnel configuration settings and enters DEPI data session configuration mode.
dest-ip	Assigns an IP address to the EQAM.
depi eqam-stats	Enables debugging information for DEPI EQAM statistics on the Cisco RFGW-10.
l2tp-class	Creates a template of Layer 2 Tunnel Protocol (L2TP) control plane configuration settings and enters L2TP class configuration mode.
protect-tunnel	Configures a DEPI tunnel on the Cisco RFGW-10.
show cable depi-sessions	Displays DEPI sessions configured on the line card.
show cable depi-sessions slot count	Displays the DEPI session count on all QAMs on a line card.
show controllers linecard	Displays information about used bandwidth and total bandwidth on all QAMs on a line card interface.
show depi	Displays DEPI information.
show depi session	Displays DEPI session information.
Platform	
banner lcd	Configures the string on the front panel display.
cable midplane ping	Enables the midplane failure detection between the line card and the Supervisor.
clear cable midplane ping statistics	Clears the midplane ping statistics on the Cisco RFGW-10.
cluster run	Enables clustering on the Cisco RFGW-10
show cable heartbeat	Displays the number of heartbeats received from the line cards.
show cable linecard coreinfo	Copies the core file information from line card flash directory to the bootflash.
show cable linecard cpuload	Displays the CPU utilization information of the line card.
show cable linecard logs	Displays the system log information of the line card at bootup.

Table 2-1   *Cisco RFGW-10 Commands by Function (continued)*

Command Name	Command Description
show cable linecard process	Displays all the processes running on the line card.
show cable linecard version	Displays image version information of the line card.
show cable midplane ping statistics	Displays the midplane ping statistics on the Cisco RFGW-10.
Redundancy	
auto-sync	Enable automatic synchronization of the configuration files in NVRAM.
class	Configures redundancy class on the line card.
description	Adds a description to the line card group.
linecard-group internal switch	Configures a redundancy line card group.
main-cpu	Enters the main CPU redundancy configuration mode.
member slot	Adds a slot to the line card redundancy group.
mode	Configures the redundancy mode of operation.
redundancy	Enters the redundancy configuration mode.
redundancy force-failover main-cpu	Forces a switchover so that a standby Supervisor module becomes the active Supervisor module.
redundancy force-switchover	Forces the standby Route Processor (RP) or standby Supervisor to assume the role of an active RP or Supervisor.
redundancy linecard-group switchover from slot	Initiates a line card switchover.
redundancy reload	Resets the standby Supervisor to reset both the active and standby Supervisors.
redundancy tcc-group switchover from slot	Initiates a Timing Control Card (TCC) switchover.
reserve cardtype	Configures the reserve line card type in line card redundancy.
show redundancy	Displays the current active and standby Supervisor redundancy status.
show redundancy linecard	Displays information on a line card or line card group redundancy status.
show redundancy tcc	Displays information of the TCC cards redundancy status.
Universal QAM	
cable downstream annex	Sets the MPEG framing format for a downstream port on a line card to Annex A (Europe) or Annex B (North America) or Annex C (Japan).
cable downstream frequency	Sets the center frequency on the line card.

Table 2-1   *Cisco RFGW-10 Commands by Function (continued)*

Command Name	Command Description
cable downstream if-output	Activates a downstream port on an interface and generates a standard modulated signal or a test signal.
cable downstream interleave-depth	Sets the downstream interleave depth on the line card.
cable downstream interleaver-level	Sets the downstream interleave level on the line card.
cable downstream lock	Locks the downstream port on the QAM interface.
cable downstream modulation	Sets the modulation format for a downstream port on a line card.
cable downstream rf-power	Configures the specified RF output power on the integrated upconverter.
cable downstream rf-shutdown	Enables or disables the RF output from the integrated upconverter.
cable downstream stacking	Configures frequency stacking on the line card.
cable downstream tsid	Configures the TSID value on the QAM subinterface.
cable mode	Sets the mode on the QAM channel.
interface qam	Configures a QAM interface on the line card.
show controllers qam	Displays cable downstream information configured on the QAM channel and port.
show interfaces qam	Displays information of the QAM interface.
show running-config interface qam	Displays the running configuration of the QAM interface.
Cisco DS-384 line card RF Port Configuration	
block	Configures the block frequency in the lane for a frequency profile.
cable downstream frequency (channel)	Sets the center frequency on the QAM channel
cable downstream freq-profile	Create the frequency profile at the global level, and applies it to the RF port on the line card.
cable downstream lqam-group	Creates logical QAM groups on the QAM channel.
cable downstream max-carriers	Activates the QAM carrier density on the line card.
cable downstream rf-profile	Creates RF profiles at the global level and applies it across the QAM channel line card.
cable downstream start-freq	Sets the starting frequency on the QAM interface on the line card.
cable downstream symbol-rate	Sets the symbol rate on the line card.
lane	Configures the lane frequency in the frequency profile on the line card.

Table 2-1 ***Cisco RFGW-10 Commands by Function (continued)***

Command Name	Command Description
show cable line card carrier-id-mapping	Displays the carrier-id mapped to the line card.
show cable linecard load-balancing-group	Displays the load balancing groups created on the Cisco RFGW-10.
show cable linecard logical-qamid-mapping	Displays the logical QAM group IDs and QAM carriers mapped to the RF profiles on the Cisco RFGW-10.
show cable rf-profile	Display RF profiles created on the Cisco RFGW-10.
Licensing	
show cable licenses	Displays the license information applied to QAM channels on the Cisco RFGW-10.
Video	
active	Activates the video server group on the line card.
asm	Configures Any Source Multicast (ASM) label definition.
cable linecard encryption	Configures the line card encryption scrambling algorithm.
cable partition	Manages and assigns QAM channels to a QAM partition
cable qam-domain	Configures a QAM domain.
cable qam-group	Configures a QAM group.
cable qam-partition	Configures a QAM partition.
cable qam-replication-group	Configures a QAM replication group.
cable route linecard load-balance-group	Configures a video route on the cable load balancing group and to enter into load balancing group configuration.
cable service-group	Creates a cable service group and enter QAM service group configuration mode
cable video encryption-failover-mode	Enables video encryption failover.
cable video group	Creates a group of unicast video sessions.
cable video ip multicast	Configures the multicast video sessions on a load balancing group.
cable video pre-encrypted-multicast	Configures pre-encrypted Switched Digital Video (SDV) multicast video sessions.
cable video ip udp	Configures unicast video sessions on a load balancing group.
cable video labels	Configures video session labels.
cable video multicast	Configures video multicast sessions on a QAM interface.

Table 2-1   *Cisco RFGW-10 Commands by Function (continued)*

Command Name	Command Description
cable video multicast uplink	Sets up an uplink port for multicast traffic.
clear cable ermi statistics	Clears the ERMI protocol connection stastistics information.
clear cable video packet	Clears all video packet insertions.
clear cable video server-group statistics	Clears all video server-group statistics.
cable video psi-interval	Configures the PSI interval on the QAM subinterface.
cable video servers	Configures server groups for video sessions using external servers.
cable video table	Configures video sessions on a QAM channel using the pre-defined UDP map.
cable video timeout	Configures the video session timeout thresholds.
cable video udp	Configures a unicast video session.
errp	Configures the Edge Resource and Registration protocol (ERRP).
ip	Configures destination IP address for video sessions on a QAM domain.
ip multicast-routing	Enables video multicast routing.
ip rpc portmapper	Establishes a remote procedure call (RPC) connection between an external server and an EQAM.
keepalive retry	Sends keepalive message to a remote client with a specified retry interval.
mac-address	Configures the MAC address for the QAM partition.
mgmt-ip	Configures the IP address of the QAM partition.
mgmt-ip-address mac-address	Configures the management port IP address in a cable video server group.
pilot-qam	Configures the pilot (source) QAM.
protocol	Sets the protocol used by the server in a video server group.
qam-group	Configures a QAM group.
qam-partition	Configures a QAM partition to a load balancing group.
replicate-qam	Configures the replicate (destination) QAM.
reset interval	Sets the reset interval in video server configuration mode
retry interval	Configures the retry time and interval time on the external server.

Table 2-1   *Cisco RFGW-10 Commands by Function (continued)*

Command Name	Command Description
rtsp	Configures the ERMI Real-time Streaming Protocol (RTSP) on the QAM partition.
server	Configures the external server IP address of video server group.
show cable ermi errp	Displays information on the ERMI Edge Resource and Registration protocol (ERRP) protocol.
show cable ermi rtsp	Displays information on the ERMI Real-time Streaming Protocol (RTSP) protocol.
show cable qam-partition	Displays the QAM partition information on the line card
show_cable_qam-replication-group	Displays the QAM Replication Group (QRG) information on the line card
show_cable_service-group	Display the service group information.
show_cable_video_gqi	Displays all the GQI video sessions information.
show cable video label	Displays the active video labels configured on the chassis.
show cable video multicast uplink	Displays the multicast uplink interfaces configured on the chassis.
show cable video packets	Displays the cable video packets on the QAM interface.
show cable video route	Displays video route information on the chassis.
show cable video server-group	Displays information on a video server group.
show cable video session	Displays the video session information.
show cable video statistics packet	Displays unicast and multicast video packets.
ssm	Configures Specific Source Multicast (SSM) label definition.
video route	Creates video policy routes to redirect traffic to the line cards.